



We Weigh The World

CAS PRODUCT CATALOG

ENGLISH

CAS

WE WEIGH THE WORLD™

Since its founding in 1983, CAS Corporation consistently aims at becoming a leader in the international weighing industry. By offering a variety of products and dedicated customer service, CAS rapidly developed its global network system. With a manufacturing facility and Headquarter located in South Korea. CAS has expended its business territory further to United States, India, Russia, Turkey and China including active sale performance in over 120 overseas countries. Our global network and cutting-edge technology will ensure total customer satisfaction.

- | | | | |
|------|--|------|--|
| 1983 | Company established | 2006 | The first CAS Global Business Conference in Korea |
| 1989 | Acquired FCC US Official Standards | 2007 | The second CAS Global Business Conference in Korea
Awarded the Global Star prize
Awarded the Techno CEO prize |
| 1990 | Acquired NSC Australian Measuring Verification Standards
Assigned as a National Verification and Correction Facility (177)
Established CAS USA | 2008 | The third CAS Global Business Conference in Korea
Acquired certificate of quality control system of medical instrument
Selected as a electric scale providing company in Chinese standardized market |
| 1991 | Acquired NBS US Measuring Verification Standards
Approved by NTEP & UL, US Safety Standards | 2009 | Fourth CAS Global Business Conference in Korea
Established CAS Nicaragua |
| 1992 | Developed strain gage Established CAS Turkey
Developed the first label printer in the Korean market | 2010 | Established CAS Bangladesh Chittagong
Service center/office |
| 1993 | Approved by CSA (Canada) | 2011 | Acquired as Self-National verification & correction Facility
from Korean Agency for Technology and Standard |
| 1994 | Established CAS Russia
Acquired the first OIML, EU Standards | 2012 | Established Vietnam |
| 1995 | Established CAS China | 2013 | Jiashan factory, China, Completed
Nominated for WC300
Established CAS Chemical
Established CAS E&C |
| 1996 | Established Shanghai factory in China
Acquired the first ISO 9001 in the Korean weighing industry | 2014 | Chosen to execute 1 st year project for the World Class300
Designated as No.1 brand in Global Brand Competency Index(GBCI) |
| 1997 | Established CAS TSC (service center) in Russia | 2015 | Chosen to execute 2 nd year project for the World Class300
Received 2015 Global Excellence Awards |
| 1999 | Established CAS India
Acquired EC Self-Verification Certification | 2016 | Designated as No.1 brand in Global Customer Satisfaction Competency Index(GCSI) |
| 2000 | Awarded the Best Certification Company by ISO9000 | 2018 | Designated as No.1 brand in Global Brand Competency Index(GBCI)
Designated as No.1 brand in Global Customer Satisfaction Competency Index(GCSI) |
| 2001 | Awarded the Best Certification Company by ISO9000 for two consecutive years
Awarded the best prize for Precision technology
Acquired Japanese NMJ Standards Certification
Established CAS New Zealand | | |
| 2002 | Awarded the Best Global Company by Japanese Management Association
Awarded Russia Golden Balance 2002 | | |
| 2003 | CAS Europe Tour | | |
| 2004 | Established CAS Poland | | |
| 2005 | Granted 30 million dollar export Tower from the government
Established CAS Deutschland Established Bangladesh | | |

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RETAIL PRODUCTS

Distribution solution for businesses that are striving to provide services that satisfy customers.

Label Printing Scale CL8000 Series



- Adopting a full-scale opening and closing method provides ease of replacing labels.
- Replace parts without removing the seal.
(Except Scale parts)
- True type font printing
- ZEBRA, EPSON protocol compatible
- Provide DLL, Demo Program



CL8000-PCA



CL8000-B



CL8000-U



CL8000-SU

Model		PCA-Type	B-Type	U-Type
Display	Size	Operator : 15" Customer : 9.7" / 15"	Operator : 10.1" Customer : 7"	Operator : 10.1" Customer : 10.1"
	Touch	Capacitive Touch Screen		
Hard ware	CPU	Intel J1900 (2.42 GHz)		
	Memory	DDR3L 4GB		
	Storage	SSD 64GB		
Scale	Max. capacity	6, 15, 30 kg		
	Readability	1/2g, 2/5g, 5/10g		
	Resolution	1/3000		
	Platter size	368 mm x 288 mm		
Printer (Label/Ticket)	Print method	Direct Thermal		
	Resolution	202 DPI		
	Speed	150 mm/sec		
	Length	Length of Label : Max. 200 mm, Width of Printing : 56 mm, Width of Paper : 65 mm		
	Option	Linerless		
	Protocol	EPSON(Ticket), ZEBRA(Label) Compatible		
Power		SMPS (120W)		
Product size (mm)		399(W) x 447(D) x 631(H)	399(W) x 450(D) x 211(H)	399(W) x 494(D) x 590(H)
Product weight		16.0 kg	15.8 kg	16.0 kg

Label Printing Scale
CL7200 Series



- Dual color LCD display
- Multimedia scale
- Ergonomic touchscreen display



CL7200-U



Product Movie



User Display

10.2" color, LCD operator display



Ergonomic touchscreen operating

Various interfaces



Standard: USB 2.0 x 2, LAN,
RS-232C, Cash drawer, USB Device
Option: WLAN

Remote firmware update

updating deployed firmware without having physical access to the device
running it is a very useful feature.



CL7200-D



CL7200-S

Model	CL7200 Series		
Max.capacity (kg)	15/30	6/15	15/30
Readability (g)	5/10	2/5	5/10
Resolution	1/3,000(Dual Interval)		
Printing speed (mm/sec)	100		
Label size (mm)	Width : 40~60, Length : 30~200		
Operating temperature (°C)	-10 ~ +40		
Power	AC 220V, 50/60Hz		
Platter size (mm)	380(W) x 250(D)		
Product size (mm)	CL7200-U : 410 (W) x 500 (D) x 370 (H) CL7200-D : 395 (W) x 500 (D) x 594 (H) CL7200-S2 : 407 (W) x 500 (D) x 603 (H)		

Label Printing Scale

CL5500 Series



- High-speed thermal printer
- Cartridge-loading-type label installation
- Free format label design
- LAN / WiFi

OPTION > Linerless label Option (Factory Option)
 > WIFI card > Fish tray > Dust Protection cover/Large Platter



CL5500-B



CL5500-R



CL5500-H



CL5500-S



CL5500-P

Model	CL5500		
Max.capacity(kg)	3/6	6/15	15/30
Readability(g)	1/2	2/5	5/10
Resolution	1/3,000(Dual interval)		
Display type	7 Segment LCD + Graphic LCD		
Printing speed(mm/sec)	100		
Label size(mm)	Width : 40 ~ 60, Length : 30 ~120		
Operating temperature(°C)	-10 ~ +40		
Power	AC 100 ~ 240V, 50/60Hz		
Platter size(mm) (W x D)	B, P, R, S: 383 x 273 / H: 435 x 293 / D: 380 x 270		
Dimensions(mm) (W x D x H)	B: 408 x 432 x 173 / P: x 408 x 493 x 542 R: 408 x 493 x 607 / H: 420 x 281 x 706 S: 408 x 493 x 703 / D: 396 x 464 x 612		
Product Weight (kg)	B: 10.5 / P: 12 / R: 11.2 / H: 14.2 / S: 15 / D: 12.7		

Label Printing Scale
CL5200N

- Full Graphic LCD Display
- Steady PLU keys
- Cartridge-loading-type label installation
- High-speed thermal printer
- Various interface connections
- Memory expandable
- Firmware update via USB memory



Label Printing Scale
CL5200N-HS

- Full Graphic LCD Display
- Cartridge-loading-type label installation
- High-speed thermal printer
- Hygienic Stainless Steel Body
- Various interface connections
- Memory capacity:10,000 PLUs & 1,000 ingredients
- Firmware update via USB memory



Model	CL5200N			CL5200N-HS	
Max.capacity(kg)	3/6	6/15	15/30	6/15	15/30
Readability(g)	1/2	2/5	5/10	2/5	5/10
External resolution	1/3,000(dual interval)			1/3,000 (dual interval)	
Display digit	4 / 5 / 6 (tare / weight / unit / total)			4 / 5 / 6 (tare / weight / unit / total)	
Display type	Graphic LCD (208x48)			Graphic LCD (208x48)	
Printing speed	Max. 100 mm/sec			Max. 100 mm/sec	
Printer resolution	202 dpi			202 dpi	
Label size(mm)	Width: 40~60, Length: 30~290			Width:40~60, Length:30~200	
Power	AC 100~240V, 50/60 Hz			AC 100~240V, 50/60 Hz	
Operating temperature	-10°C ~ +40°C			-10°C ~ +40°C	
Platter size(mm)	380(W) x 250(D)			357(W) x 289(D)	
Dimensions(mm)	B Type: 410(W) x 441(D) x 180(H) P Type: 410(W) x 500(D) x 535.8(H)			390(W) x 355(D) x 821(H)	
Product weight(kg)	B Type: 6.95, P Type: 7.65			-	

Label Printing Scale

CL5200J



- Memory capacity: 10,000 PLUs & 1,000 ingredients
- Supporting free label format design
- Cartridge-loading-type label installation
- 30 fixed format & 10 customized format design
- Various interfaces
- Firmware update via USB memory

OPTION > WIFI card > Platter with back rail



CL5200J-B



CL5200J-P

Model	CL5200J		
Max.capacity (kg)	6/15	15/30	15/30
Readability (g)	2/5	5/10	5/10
Resolution	1/3,000(Dual interval)		
Display type	7 Segment LCD + Dot Matrix		
Display digit	4 / 5 / 6 / 7 (tare / weight / unit / total)		
Printing speed (mm/sec)	Max. 100 mm/sec		
Label size (mm)	Width : 40 ~ 60, Length : 30 ~ 120		
Operating temperature (°C)	-10 ~ +40		
Power	AC 100 ~ 240V, 50/60Hz		
Platter size (mm) (W x D)	B, P: 380 x 250		
Dimensions (mm) (W x D x H)	B : 410 x 441 x 180 / P : 410 x 500 x 535.8		
Product Weight (kg)	B : 6.95 / P : 7.65		

Label Printing Scale

CL3000 Series

- Aluminum Body Construction
- Durable printer mechanism
- Firmware update via RS-232C or USB port
- Interface: USB port, LAN, RJ11, RS-232C, optional WiFi
- Compatible with CL series

OPTION > Linerless Printer(Factory Option) > WIFI Card



CL3000-B



CL3000-P

Model	CL3000					
Max. Capacity	3/6 kg	6/15 kg	15/30 kg	6/15 lb	15/30 lb	30/60 lb
Interval	1/2 g	2/5 g	5/10 g	0.002/ 0.005 lb	0.005/ 0.01 lb	0.01/ 0.02 lb
Max. Tare	-2.999 kg	-5.998 kg	-9.995 kg	-5.998 lb	-9.995 lb	-29.99 lb
A/D Conversion Rate	Approx. 8 times/sec.					
Measurement Type	Load Cell					
Platter Size	380 x 250 mm					
Dimensions(mm) (W x D x H)	B : 406 x 433 x 164 P : 407 x 472 x 545					
Key	B-Type : 72 PLU key, 35 function key / P-Type : 72 PLU key, 36 function key, 144 PLU					
Display	LCD (Preset Tare : 5 digit, Weight : 6 digit, Unit Price : 7 digit, Total Price : 8 digit, PLU name: 12 digit)					
Printer	Speed 100 mm/sec					
Printing Resolution	202 dpi					
Label Size	Width : 40 mm ~ 60 mm / Length : 30 mm ~ 80 mm					
Barcode Type	UPC, EAN13, I2OF5, CODE128					
Printer Type	Direct thermal print					
Operating Temp.	-10°C ~ 40°C (14°F ~ 104°F)					
Power	AC 100 ~ 240V 50/60Hz 1.5A					

Label Printing Scale

CL5000J-C



- General speed thermal printer
- Cartridge-loading-type label installation
- Free format label design
- LAN/WiFi network
- Up to 6,000 PLUs memory function



CL5000J-CP



CL5000J-CB



CL5000J-CH



CL5000J-CR



CL5000J-CS

OPTION > Wireless LAN card > Dust protection cover > Stainless steel platter with back rail > Large platter > Fish tray

Model	CL5000J-C		
Max.capacity(kg)	3/6	6/15	15/30
Readability(g)	1/2	2/5	5/10
Resolution	1/3,000(Dual interval)		
Display type	LCD display + Dot matrix 80 LCD(60x8 dots)		
Printing speed(mm/sec)	75		
Label size(mm)	Width : 40 ~ 60, Length : 30 ~ 80		
Operating temperature(°C)	-10 ~ +40		
Power	AC 100 ~ 240V, 50/60Hz		
Platter size(mm) (W x D)	382 x 246		
Dimensions(mm) (W x D x H)	B: 408 x 432 x 173 / P: 408 x 493 x 607 R: 408 x 493 x 542 / H: 420 x 281 x 706 S: 408 x 493 x 703		
Product Weight (kg)	B: 10.5 / R: 12 / P: 11.2 / H: 12.2 / S: 15.1		

Ticket Printing Scale

CT100



- 30 Direct PLUS
- 1000 Indirect
- Rechargeable battery
- Max 6 Floating vender function(with RS-485)
- PC software management(CT-Works)

OPTION > Zigbee, Wireless ethernet interface
> Platter PLU cover > Platter back rail



CT100 -B



CT100-P

Ticket Printing Scale

PR-T

- Direct PLU 30EA, Indirect PLU 300
- Rechargeable Battery
- Inventory Function
- Barcode, Image Print

Rear Display



Model	CT100			PR-T		
Max.capacity (kg)	3/6	6/15	15/30	6	15	32
Readability (g)	1/2	2/5	5/10	1	2	5
Resolution	1/3,000(Dual interval)			1/6,000	1/7,500	1/6,400
Display digit	12 digit (14 segment)			21 digit (7 segment)		
Display type	Alpha-numeric LCD + backlight			LED		
Operating temperature (°C)	-10 ~ +40			0 ~ +45		
Power	AC 230V(50 ~ 60Hz), AC + DC(Optional), Pb Battery 12V/7A			AC 220V, Pb Battery 6V/4A		
Platter size(mm) (W x D)	320 x 240			322 x 212		
Dimensions(mm) (W x D x H)	B : 342 x 455 x 152 / P : 342 x 455 x 415 R : 342 x 455 x 490			329.2 x 389.4 x 448		
Product Weight (kg)	B: 6.8 / P: 8 / R: 8.5			4		

Price Computing Scale

AP



- 200 PLUs with 28 direct keys
- Daily total sales reporting function(Only EX type)
- Simple and easy operation
- Adopted dual interval technology
- USB connection available

OPTION > Display on the rear center > RS-232C / USB interface
> Large platter > Dust protection cover > Printer: DEP-50/DLP-50



Large Platter

Price Computing Scale

PR-II



- High Resolution for Weighing
- Low Profile Design
- Up to 7 Direct PLUs Memory Function
- LCD Display & Back light (White)

OPTION > RS-232 (Print, Command)
> Pole Type > Mn Battery > USB Port



Pole Type

User Display Type

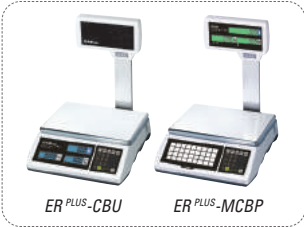
Bench Type

Model	AP			PR-II			
Max.capacity (kg)	3/6	6/15	15/30	3	6	15	30
Readability (g)	1/2	2/5	5/10	0.1/0.2/0.5 0.5/1 (Certi.)	0.2/0.5/1 0.5/1 (Certi.)	0.5/1/2 2/5 (Certi.)	1/2/5 5/10 (Certi.)
External resolution	1/3,000 (Dual interval)			1/3,000 Dual interval, Certi.(1/3,000~1/30,000)			
Display digit	7/5/6 (Total price/Weight/Unit price)			6/6/6 Digit & Back light (White)			
Display type	VFD			LCD			
Operating temperature (°C)	-10 ~ +40			0 ~ +40			
Power	AC 100~220V, 50/60Hz			Mn (500 hr), Pb (400hr), Mn&Pb (900hr)			
Platter Size (mm)	340(W) x 215(D)			330(W) x 235(D)			
Dimensions (mm)	435(W) x 325(D) x 495(H)			330(W) x 380(D) x 105(H)			
Product weight (kg)	6.5			3.5 (B Type), 3.8 (P Type)			

Price Computing Scale
ER PLUS



- 25 direct PLUs with 200 indirect PLUs
- Soft touch tact switch with silicon rubber keypad
- Adopted dual interval technology for better accuracy
- Various types of display (LCD, VFD, LED)
- Rechargeable battery operation
- Expanded PLU keys



Silicon rubber keypad



ER PLUS-CB

OPTION > DEP-50/DLP-50> Large platter/fish tray> Dust protection cover
> Blue backlight (LCD only)> RS-232C interface > Client - view pole display

Price Computing Scale
ER JR



- 4 direct PLUs memory function
- Adopted dual interval technology for better accuracy
- Three high-legible LCD displays with blue backlight
- Rechargeable battery operation
- EMBO Keypad

OPTION > Client-view pole display
> Dust protection cover
> Dry Battery operation



ER JR-CBU



ER JR-CB

Model	ER PLUS			ER JR		
Max.capacity(kg)	3/6	6/15	15/30	3/6	6/15	15/30
Readability(g)	1/2	2/5	5/10	1/2	2/5	5/10
Resolution	1/3,000(Dual interval)					
Display digit	5/6/6(Weight/Unit Price/Total Price)					
Display type	LCD / LED / VFD			LCD		
Operating temperature(°C)	-10 ~ +40					
Power	Rechargeable battery, DC Adapter			Rechargeable, 12V DC Adapter		
Battery Life	200hrs(LCD) / 45Hrs(LED) / 6Hrs(VFD)			180hrs (without backlight)		
Platter size(mm) (W x D)	304 x 220			290 x 209		
Dimensions(mm) (W x D x H)	Standard Type : 330 x 346 x 107 Pole Type : 330 x 346 x 419			Standard type : 304 x 324 x 106 Pole type : 304 x 324 x 413		
Product Weight (kg)	Standard type: 4.5, Pole type: 5.8			Standard type: 3.5, Pole type: 4.8		

Price Computing Scale JPA/JPS

- Long operating time
 - More than 160 hours with Pb Battery
- High-visible rear display
- Robust structure
- Multiple power-source (JPA Only)
 - 220V AC, Pb Battery, 1.5V x 3 D size battery
- 7 PLUs with preset key
- Auto-sleep and energy-saving mode



JPA



JPS

Model	JPA	JPS
Capacity	15/30kg	
e	5/10g	
Maximum Tare	Full Tare	
Display	5/5/6 digits (Weight/Unit/Total)	
Platter Size	330 x 240 (mm)	300 x 210 (mm)
Power	- AC 220V - 4V 4A Pb Battery - 1.5V x 3 D size Battery	- AC 220V - 4V 4A Pb Battery
Operating Temperature	0~40°C	
Carton Size	5pcs/carton 76 x 42 x 38cm	5pcs/carton 70 x 40 x 35cm
Gross (Carton) Weight	22kg	

Price Computing Scale

HS

- 200 indirect PLUs
- Daily total sales reporting function
- Simple and easy ration

Model	HS		
Max.capacity (kg)	6	15	30
Readability (g)	2	5	10
External resolution	1/3,000		
Display digit	6/5/6, 7/5/6 (Total price/Weight/Unit price)		
Display type	VFD		
Operating temperature (°C)	-10 ~ +40		
Power	AC 100~220V, 50/60Hz		
Platter Size	Ø320		
Dimensions (mm)	260(W) x 110(D) x 368(H)		
Product weight (kg)	3.6		

Tactile Remote Switch:
Cord wired tactile remote switch



Stainless Hanging Platter

Price Computing Scale

EB

- 24 direct and 200 indirect PLUs
- Dual interval
- Rechargeable battery operated (6V, 4Ah)
- Compact design & Easy-to-use
- RS-232 Interface

OPTION > Back rail (only EB-S)
> Printer: DEP-50 (Ticket)/DLP-50 (Label) > Dust protection cover
> 6V,10Ah Rechargeable battery(only EB-S) *Approx.500hrs used

Model	EB-S		EB-L			
Max.capacity (kg)	30/60	60/150	6/15	15/30	30/60	60/150
Readability (g)	10/20	20/50	2/5	5/10	10/20	20/50
External resolution	1/3,000 (Dual interval)					
Display digit	6/6/6(Weight/Unit price/Total price)					
Display type	LCD					
Operating temperature (°C)	-10 ~ +40					
Power	Rechargeable battery, DC Adapter					
Battery Life	Approx.200hrs (backlight off)					
Platter Size (mm)	350(W) x 400(D)		280(W) x 280(D)		400(W) x 520(D)	
Dimensions (mm)	350 x 470 x 584		280(W)x350(D) x530(H)		425(W) x675(D) x 755(H)	
Product weight (kg)	14.9		5.3		15.6	



EB-S



EB-L

< Back rail
(Option only EB-S)

CAS POS SYSTEM

CAS POS-1/2 CE

- Intel® Core™
Intel® Celeron® Quad-Core Processor
- 15" Bezel-Free Display with PCAP Touch & LED Backlight
- Spill and Dust Resistant
- Newly Refined Design for CAS POS Series
- Stylish and Compact Body with Small Footprint
- Multiple I/O interfaces for Peripherals
- Flexible Installation on a Counter or a Wall
- Fast Installation and Easy Serviceability



CAS Printer

A8 CE

- 3" Jam-Free Direct Thermal POS Printer
- Compact Cube Design for Limited Counter Space
- Paper Top Exit and Front Exit for Flexible Operation
- Fast Printing Speed of up to 250mm/s
- High Resolution of up to 203dpi
- USB+Serial+Ethernet Interface
- Optional Bluetooth & WiFi Interfaces for Mobile Devices
- mPOS friendly Compatible with Android and iOS



Model	CAS POS-1	CAS POS-2
Processors	Intel® Core™ i5-7200U (3M Cache, 2.50/3.10 GHz(Turbo), 2 Cores) Intel® Core™ i3-7100U (3M Cache, 2.40 GHz, 2 Cores) Intel® Celeron® J1900 (2M Cache, 2.0/2.42 GHz(Burst), 4 Cores), Fanless	
Memory	4GB Standard, DDR3L 1600 MT/s, Socket 1 x SODIMM	4GB Standard, DDR4 2133 MT/s, Socket 1 x SODIMM (Max. 16GB)
Storage	ATA 2 (6Gb/s) 3 inch SSD 64GB, Support AHCI	ATA 3 (6Gb/s) 2.5 inch SSD 64GB, Support AHCI
Operating Systems	Windows 7, Windows 8.1, Windows10 IoT Enterprise, POS Ready 7	Windows 10 IoT Enterprise
Type	15" TFT LCD, LED Backlight	
Touchscreen	Projected Capacitive Touch	
Display	1 x VGA (With Power Output)	
USB	6 (Rear 2, Back 4, USB3.0 x 2, USB 2.0 x 4) 3 (Reserved for MSR, SCR, i-Button/Touch Controller/Camera), RJ-45	
Serial	6 (COM 1 with 5V/12V Power Output on 9 Pins, BIOS), (COM2~3 RJ-45 , Full Signal) (COM4 RJ-11, Only TX/RX, 12V Power Output, Reserved for CDP) (COM5 Reserved for Cash Drawer Port) (COM6 RJ-45, Only TX/RX, 5V Power Output, Reserved for MSR)	
LAN	1 x Gigabit Ethernet, RJ-45	
Extension Slot	-	Mini PCIe, m-SATA J4105 M.2
Dimensions (W x H x D)	364 x 333 x 216 (mm)	14.3 x 13.1 x 8.5 (in)
Net Weight	5,300g, 11.6lbs	
2nd Displays	9.7", 12.1", 15" LCD Display, 1024 x 768, Optional Touchscreen	
Customer Display	VFD, 20 Columns x 2 Lines	
I/O Expansion	1 x COM5 (RJ-45 8 Pins) (Factory Option) 1 x Cash Drawer Port (RJ-11 6 Pins) (Factory Option)	1 x COM5 (RJ-45 8 Pins) (Factory Option) 1 x Cash Drawer Port (RJ-11 6 Pins) (Factory Option) 1 x Powered USB (24V)
Dallas	Adimatt_key	
Wall Mount Kit	VESA-Compatible, 75 x 75 (mm), 100 x 100 (mm)	

Label

- Hyper-small market, food industry label(low climate label)
- Coating labels : PE, PP, oiled cotton paper, PET, etc.
- Paper finished labels : Glossy paper, thermal paper, etc.



Meat Production, Industrial Barcode Label Printer Label

- Coating labels : PE, PP, oiled cotton, PET, etc.
- Paper finished labels : Glossy paper, thermal paper, etc.



Product Label Sticker

- Coating labels : PE, PP, oiled cotton, PET, etc.
- Paper finished labels : Glossy paper, thermal paper, etc.



Entry Ticket, Ribbon Type POS Receipt Ticket

- Coating labels : PE, PP, oiled cotton, PET, etc.
- Paper finished labels : Glossy paper, thermal paper, etc.





LABORATORY PRODUCTS

High precision weighing solution comprised of only products that have passed the stringent regulation tests and management.

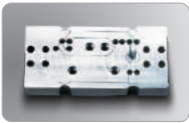
Analytical Balance

CAT

- Touch-key Automated Calibration
- Expanded Piece Counting Function
- Compare samples to target values or pass/fail criteria clearly
- Formulation Mode
- % measurement
- Power saving function
- Password lock

OPTION

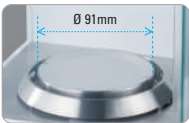
EP-100 Printer > EP-110 Printer > I/O-RS cable
Protection Cover > USB conversion kit



Applied UniBloc sensor
for stable weighing



2-3sec response time



Ø 91mm large pan



One-touch easy setting



Model	CATX324	CATX224	CATX124	CATY324	CATY224	CATY124
Capacity	320g	220g	120g	320g	220g	120g
Number of verification scale interval	320000	220000	120000	320000	220000	120000
Scale interval (d)	0.0001g					
Range of use	0.01g-320g	0.01g-220g	0.01g-120g	0.01g-320g	0.01g-220g	0.01g-120g
Response time	Approx. 3.0 seconds					
Ambient operating temperature	10 ~ 30					
Pan size (mm)	Ø 91mm					
Main body dimensions (mm)	Approx. 210(W) x 340(D) x 325(H) mm					
Main body weight	CATX : Approx. 6.2 kg / CATY : Approx. 6.0 kg					
Display	LCD					
Rated electric power supply	DC 12V, 1A					
I/O terminal	DATA I/O					
Altitude	Up to 2000m					
Installation Site	device may only used indoors					
AC adapter (primary)	AC 100 ~ 240V, 400mA 50/60 Hz					

Analytical Balance

CAU



- Display backlight
- Dual-range
- Excellent repeatability and zero-return
- Easy level adjustment
- Pouring mode / Formulation mode
- Date output style option

Model	Max.capacity (g)	Readability (mg)	Platter size (mm)
CAUW-D	120/42	0.1/0.01	Ø80
	220/82	0.1/0.01	Ø80
CAUW	320, 220, 120	0.1	Ø80
CAUX	320, 220, 120	0.1	Ø80
CAUY	220, 120	0.1	Ø80



Top-Loading Balance

CU



- iM Works (PC software)
- Weigh-Below hook
- Analog bar graph display
- Backlight LCD
- GLP / GMP / ISO calibration record
- PSC Fully-automatic calibration (CUW-H Only)
- Resolution 1/620,000
- Built-in clock
- Check weighing



Product Movie

Small tray



Model	CUW-H, CUX-H, CUW-HV		CUW-S, CUX-S	
Max.capacity (g)	220, 420, 620	2200, 4200, 6200	420, 820	4200, 8200
Readability (g)	0.001	0.01	0.01	0.1
Pan size (mm) (W x D)	108 x 105	170 x 180	108 x 105	170 x 180

Precision Platform Balance

CBX

- Calibration report
- Check weighing(HI/GO/LO)
- Counting pieces
- Built-in RS-232C interface

OPTION > Printer (EP-80) > Charging battery pack
> Specific gravity measurement kit > RS-232C cable



Model	CBX				
Max.capacity (kg)	CBX12KH	CBX22KH	CBX32KH	CBX32KS	CBX52KS
Readability (g)	0.1	0.1	0.1	1	1
Display type	LCD				
Operating temperature (°C)	+5~ +40				
Power	AC Adapter (12V/1A)				
Platter size (mm) (W x D)	345 x 250				
Dimensions (mm) (W x D x H)	360 x 355 x 125				
Product weight (kg)	10.5				

Top-Loading Balance

CBL

- Economic price for balance
- Counting pieces and unit conversion
- Accurate performance and strong durability
- Analog bar graph display

OPTION > Printer (CP-7020) > Windbreak
> RS-232C Interface (IFB-102A)



< Windbreak
(Small Tray only)



Small Tray



For products with “*” mark, windbreak is a standard

Model	Max.capacity (g)	Readability (g)	Pan size (mm) (W x D)
CBL220H*	220	0.001	100 x 100
CBL320H*	320	0.001	100 x 100
CBL2200H	2,200	0.01	164 x 124
CBL3200H	3,200	0.01	164 x 124

Micro Weighing MW-IIN

- High accuracy
(External resolution: 1/20,000 ~ 1/60,000)
- Convertible Unit Weight (g, ct, lb, oz, dwt, mom, GN, tl)
- Counting function
- Percent weighing mode
- Auto power off, Back-light auto On/Off
- Battery check function
- Printing weight, date and time
- RS232C interface (PC, Printer)



Micro Weighing MWP

- High accuracy
- Convertible Unit Weight (8 Units in total : g, ct, etc.)
- Counting function
- Percent weighing mode
- Built-in Rechargeable Battery (Up to 80hrs)
- RS232C / USB interface (Optional)
- Wind Shield Included
- Overload Alarm Function
- Auto Power Off Function
- Auto Span Calibration & Auto Zero Tracking



Model	MW-IIN						MWP				
Max.capacity (g)	200	300	600	2000	3000	6000	150	300	600	1500	3000
Readability (g)	0.01			0.1			0.005	0.01	0.02	0.05	0.1
External Resolution	1/20,000 ~ 1/60,000						1/30,000				
Display digit	6 digits (Weight)						6 digits (Weight)				
Display Type	LCD with Backlight						LCD with Backlight				
OperatingTemperature (°C)	5 ~ 35						0 ~40				
Power	DC Adapter, Dry battery (AA Size : 1.5 x 6)						AC 220V or Built-In Battery (6V, 1.3A)				
Platter size(mm)	Ø130			158(W) x 144.6(D)			Ø116		124(W) x 144(D)		
Dimensions(mm)	190(W) x 271(D) x 83.5(H)						200(W) x 250(D) x 80(H)				
Product Weight (kg)	1.03			1.3			1.4				

Micro Weighing
XE

- Touchless key
- Various Interfaces
- Loadcell Protection Locker
- Backlight Color Orange



Micro Weighing
XE PLUS

- Excellent weighing performance with 1/30,000 resolution
- Direct sales to the public with same e, d
- Satisfaction with OIML R76:2006 standard
- Various functions
(Load cell protection device, Kensington lock, Wind Shield)
- Various interfaces
(Auxiliary display, IM-WORKS, Various printer connectable)
- Rechargeable battery
- Compact design
- IR sensor (touchless key)



Model	XE					XE PLUS				
Max. capacity(g)	300	600	1500	3000	6000	300	600	1500	3000	6000
Readability(g)	0.005	0.01	0.02	0.05	0.1	0.01	0.02	0.05	0.1	0.2
External resolution	1/6,000 (Certi.), 1/30,000 ~ 1/75,000					1/30,000 (Certi.)				
Weight Units	g, ct, lb, oz, GN, ozt, dwt									
Display digit	6 and half digits(Weight)									
Display type	LCD(with backlight)									
Operation temperature	5 ~ 40°C									
Power	DC 12V(with adapter)									
Platter size(mm)	150, 300, 600: Ø128mm 1500, 3000, 6000: 155 X 143mm					300, 600: Ø128mm 1500, 3000, 6000: 155 X 143mm				
Dimensions(mm)	180(W) x 272(L) x 74(H)					272 (W) x 180 (L) x 74 (H)				
Product weight(kg)	1.39									

Remote Display
CD-300

- Distance Adjustable & Tilttable Display
- Compatible with Various Products
- Clear LCD

Model	CD-300		
Power	via RS232, 5V adapter	Communication Cable	length: 1.2m(With products)
External display	LCD (With BACKLIGHT)	Communication Methods	RS-232C
	Units, 7digit, mg	Dimensions(mm)	141(W) x 66(D) x 90(H)
Protocol	CAS 22byte Protocol	Product weight(kg)	0.25





Individual Weights

- ◆ Sheet weight
- ◆ Marked sheet weight
- ◆ Cylindrical weight with knob
- ◆ Marked cylindrical weight with knob

Nominal value	Order NO.		
	E2	F1	F2
1mg	CE21111	CF11111	CF21111
2mg	CE21112	CF11112	CF21112
5mg	CE21113	CF11113	CF21113
10mg	CE21114	CF11114	CF21114
20mg	CE21115	CF11115	CF21115
50mg	CE21116	CF11116	CF21116
100mg	CE21117	CF11117	CF21117
200mg	CE21118	CF11118	CF21118
500mg	CE21119	CF11119	CF21119
1g	CE21120	CF11120	CF21120
2g	CE21121	CF11121	CF21121
5g	CE21122	CF11122	CF21122
10g	CE21123	CF11123	CF21123
20g	CE21124	CF11124	CF21124
50g	CE21125	CF11125	CF21125
100g	CE21126	CF11126	CF21126
200g	CE21127	CF11127	CF21127
500g	CE21128	CF11128	CF21128
1kg	CE21129	CF11129	CF21129
2kg	CE21130	CF11130	CF21130
5kg	CE21131	CF11131	CF21131
10kg	CE21132	CF11132	CF21132
20kg	CE21133	CF11133	CF21133

Nominal value	Shape
1mg	◆
2mg	◆ ◆
5mg	◆
10mg	◆
20mg	◆ ◆
50mg	◆
100mg	◆
200mg	◆ ◆
500mg	◆
1g	◆
2g	◆ ◆
5g	◆
10g	◆
20g	◆ ◆
50g	◆
100g	◆
200g	◆ ◆
500g	◆
1kg	◆
2kg	◆ ◆
5kg	◆
10kg	◆
20kg	◆



Weight Sets F1/F2/E2

Model	CME2 -100G	CME2 -200G	CME2 -1K	CME2 -2K	CME2 -5K	CME2 -10K	CME2 -20K
Nominal Value	1mg ~100g	1mg ~200g	1mg ~1kg	1mg ~2kg	1mg ~5kg	10kg	20kg
1mg	☆	☆	☆	☆	☆		
2mg	☆	☆	☆	☆	☆		
5mg	☆	☆	☆	☆	☆		
10mg	☆	☆	☆	☆	☆		
20mg	☆	☆	☆	☆	☆		
50mg	☆	☆	☆	☆	☆		
100mg	☆	☆	☆	☆	☆		
200mg	☆	☆	☆	☆	☆		
500mg	☆	☆	☆	☆	☆		
1g	☆	☆	☆	☆	☆		
2g	☆	☆	☆	☆	☆		
5g	☆	☆	☆	☆	☆		
10g	☆	☆	☆	☆	☆		
20g	☆	☆	☆	☆	☆		
50g	☆	☆	☆	☆	☆		
100g	☆	☆	☆	☆	☆		
200g		☆	☆	☆	☆		
500g			☆	☆	☆		
1kg			☆	☆	☆		
2kg				☆	☆		
5kg					☆		
10kg						☆	
20kg							☆
Internal	21 pcs	23 pcs	25 pcs	27 pcs	28 pcs	1 pcs	1 pcs

Model	CMF1 -100G	CMF1 -200G	CMF1 -1K	CMF1 -2K	CMF1 -5K	CMF1 -10K	CMF1 -20K
Nominal Value	1mg ~100g	1mg ~200g	1mg ~1kg	1mg ~2kg	1mg ~5kg	10kg	20kg
1mg	☆	☆	☆	☆	☆		
2mg	☆	☆	☆	☆	☆		
5mg	☆	☆	☆	☆	☆		
10mg	☆	☆	☆	☆	☆		
20mg	☆	☆	☆	☆	☆		
50mg	☆	☆	☆	☆	☆		
100mg	☆	☆	☆	☆	☆		
200mg	☆	☆	☆	☆	☆		
500mg	☆	☆	☆	☆	☆		
1g	☆	☆	☆	☆	☆		
2g	☆	☆	☆	☆	☆		
5g	☆	☆	☆	☆	☆		
10g	☆	☆	☆	☆	☆		
20g	☆	☆	☆	☆	☆		
50g	☆	☆	☆	☆	☆		
100g	☆	☆	☆	☆	☆		
200g		☆	☆	☆	☆		
500g			☆	☆	☆		
1kg			☆	☆	☆		
2kg				☆	☆		
5kg					☆		
10kg						☆	
20kg							☆
Internal	21 pcs	23 pcs	25 pcs	27 pcs	28 pcs	1 pcs	1 pcs

Model	CMF2 -100G	CMF2 -200G	CMF2 -1K	CMF2 -2K	CMF2 -5K	CMF2 -10K	CMF2 -20K
Nominal Value	1mg ~100g	1mg ~200g	1mg ~1kg	1mg ~2kg	1mg ~5kg	10kg	20kg
1mg	☆	☆	☆	☆	☆		
2mg	☆	☆	☆	☆	☆		
5mg	☆	☆	☆	☆	☆		
10mg	☆	☆	☆	☆	☆		
20mg	☆	☆	☆	☆	☆		
50mg	☆	☆	☆	☆	☆		
100mg	☆	☆	☆	☆	☆		
200mg	☆	☆	☆	☆	☆		
500mg	☆	☆	☆	☆	☆		
1g	☆	☆	☆	☆	☆		
2g	☆	☆	☆	☆	☆		
5g	☆	☆	☆	☆	☆		
10g	☆	☆	☆	☆	☆		
20g	☆	☆	☆	☆	☆		
50g	☆	☆	☆	☆	☆		
100g	☆	☆	☆	☆	☆		
200g		☆	☆	☆	☆		
500g			☆	☆	☆		
1kg			☆	☆	☆		
2kg				☆	☆		
5kg					☆		
10kg						☆	
20kg							☆
Internal	21 pcs	23 pcs	25 pcs	27 pcs	28 pcs	1 pcs	1 pcs



INDUSTRIAL PRODUCTS

Industrial solution that prides in strong durability and outstanding precision which can be used in rough industrial environments.

INDUSTRIAL WEIGHING SOLUTION

Basic Scale

SW-II



- High Resolution for Weighing
- Rechargeable Battery (Max. 1,000hours : Mn &Pb)
- Low Profile Design
- USB Port for COMM. & Power
- Easy Grab Body
- Customized External Color

OPTION > RS-232(Print, Commaand
> Rear display > Rechargeable Battery And Adaptor
> USB Port > SUS Tray



Rear Display



Model	SW-II			
Max.capacity (kg)	3	6	15	30
Readability (g)	0.1, 0.2, 0.5	0.2, 0.5, 1	0.5, 1, 2	1, 2, 5
Readability (g, Certi.)	0.5/1	1/2	2/5	5/10
Resolution	1/3,000 Dual Interval, Certi.(1/3,000~1/30,000)			
Display	6 digits LCD(115 x 39.5mm) & Backlight(white)			
Symbols	STABLE, ZERO, TARE, g, kg, lb, oz, PCS, Low Battery HI / OK / LO & PCS			
Functions	Hold, Unit Conversion Counting-Counting Sample Range: 10 ~ 100, 200, 300, 400, 500 Weight Com parision Function: HI, OK, Low Sleep Mode Function			
Operation Time	Apporx. D size Battery: 500hr or Pb Battery: 450hr (Backlight off) Working hours on simultaneous use of Mn & Pb Battery: 1,000hr			
Power	Mn(500hr), Pb(500hr), Mn+Pb(1000hr)			
Dimensions (mm) (W x D x H)	245(W) x 280(D) x 110(H)			
Platter Size (mm) (W x D)	225(W) x 190(D)			



Model	AD				AD-H			ED				ED-H			
Max.capacity (kg)	2.5	5	10	25	5	10	20	1.5/3	3/6	6/15	15/30	3	6	15	30
Readability (g)	0.5	1	2	5	0.5	1	2	0.5/1	1/2	2/5	5/10	0.1	0.2	0.5	1
Resolution	1/5,000				1/10,000			1/3,000 (Dual interval)				1/30,000			
Display digit	6 digits							6 digits							
Display type	VFD							LCD (blue backlight)							
Option	USB port (Factory option)							Rechargeable battery or DC Adapter							
Power	AC							200hrs (Backlight off)							
Platter Size (mm)	340(W) x 215(D)							306(W) x 222(D)							
Dimensions (mm)	350(W) x 325(D) x 105(H)							330(W) x 346(D) x 107(H)							
Product weight (kg)	4.7							4.5							

Damp-proof Scale

SWII-W  

- Suitable for damp environment
- Auto power and standby mode for economic usage
- Fast operation and High accuracy
- Large bright display
- Convenient to carry
- Stainless steel tray

OPTION

> Rear display > Water-proof power connector,

> Large tray - 355(W) x 258(D) mm

> Adaptor [only for SWII-CW(LCD type)]



Model	SWII-CW(LCD)				SWII-EW(LED)			
Capacity (kg)	1.5/3	3/6	6/15	15/30	1.5/3	3/6	6/15	15/30
Readability (g)	0.5/1	1/2	2/5	5/10	0.5/1	1/2	2/5	5/10
Resolution	1/3,000(Dual Interval)							
Display	6 digit LCD (Height : 35 mm, with Backlight)				6 digit LED (Height : 20 mm)			
Key	4ea (Power, Zero, Tare, Hold)							
Function	Hold, Counting, Weighing comparison (Hl/OK/LOW), Auto power off, Standby mode							
Power	Dry battery (D size 1.5V x 4ea) 9VDC/1A Adaptor 6V 3.3A Rechargeable battery(Pb)							
Battery Operating Time (for Single display)	Manganese dry battery : Approx. 400hours Alkaline dry battery : Approx. 800hours Rechargeable battery : Approx. 80hours							
Operation Temperature (°C)	-10 ~ 40							
Ingress Protection	Pass the test lab which equal to IP68							
Platter Size (mm)	237 (W) x 192 (D) (SUS)							
Product Size (mm)	256 (W) x 299 (D) x 117 (H)							
Product Weight (kg)	Approx. 2.6							
Options	[For All] Rear display, Large tray (Only for capacities of 15 & 30kg), Water-proof power connector [For SWII-CW(LCD)] Adaptor 9VDC/1A							



Waterproof Scale

FW500



- IP69k (Waterproof)
- Large stainless steel tray
- Fast and accurate weighing operation
- Bright and large display & Rear display
- Auto power off

OPTION > AC adaptor (Only FW500-C) > Rear display



FW500(LED)



FW500(LCD)

Model	FW500-C			FW500-E		
Capacity (kg)	3/6	6/15	15/30	3/6	6/15	15/30
Repeatability (g)	1/2	2/5	5/10	1/2	2/5	5/10
Resolution	1/3,000 (Dual Interval)					
Display type	LCD			LED		
Display	5 digit (height 35mm)			6 digit (height 19mm)		
Status	Stable, Zero, Tare, Unit(kg), BAT					
Key	Zero, Tare, Hold, Power					
Function	Hold, Auto power off					
Power	Dry battery (D size 1.5V x 4ea) 12V/1.5A Adaptor			6V Rechargeable battery 12V/1.5A Adaptor		
Battery life	Manganese dry battery : About 1,200 hours Alkaline dry battery : About 2,500 hours *for single display			Rechargeable battery : About 100 hours *for single display		
Operation Temperature (°C)	-10 ~ +40					
Tray Size (mm)	247(W) x 212(D)					
Dimension (mm)	266(W) x 303(D) x 109(H)					
Product weight (kg)	3.0			3.3		



Basic Scale

PW-II

- Stainless steel body case
- Easy Operation
- Various weight units are convertible(g, kg, lb, oz)
- AC Adapter (9V / 300mA)



Model	PW-II		
Max.capacity (g)	1/2	2.5/5	4/10
Readability (g)	0.5/1	1/2	2/5
Resolution	1/2,000~1/2,500 (Dual interval)		
Display digit	5 digits		
Display type	LCD		
Operating temperature(°C)	-10 ~ +40		
Power	Dry battery (AA x 6ea) or 9V DC Adapter		
Battery life	Alkaline : 250 hrs, Mn: 60 hrs		
Platter Size (mm)	222(W) x 151(D)		
Dimensions (mm)	239(W) x 227(D) x 66(H)		
Product weight (kg)	1.7		

Scanner Scale PDS-II



- Two major components: PDI display, scale kit for bioptic type scanner
- Rapid checkout operation at POS environment
- Compact, Adaptation, Convenient, Customer Friendly
- Flexible installation
- Various angle indicator



Scanner Scale PDS



- Stainless-steel body
- Semipermanent structure
- Easy to read LED display
- Auto zero tracking
- Made of couple of loadcells for high accuracy



PDI
Product Movie



PDS-P

PDI/SPS3326

PDS-II

Model	PDS-II				PDS / PDS-P		PDI/SPS3326
	-15M	-15D	-15DS	-15DC			
Max.capacity (kg)	15				15	30	15
Readability (g)	5				1/3,000		
Display digit	-				6 digits		
Display type	-				LED(PDS) / LCD(PDS-P)		
Operating temperature (°C)	-10 ~ +40						
Power	AC Adapter 100 ~ 240V						
Platter Size (mm) (W x D)	285x262	254x240	273x230	292x278	299x299		330x264
Dimensions (mm) (W x D x H)	285x261.8x98	245x257x61.3	292x351x228.3	292x400x218	348x348x121.2		330x264x55.3 (340x277x55.3)
Product weight (kg)	3.6	2.6	2.3	2.6	10		5.87
Available Scanner	MS2400Stratos	Magellan8400	Magellan8400s	Magellan9300i Magellan9400i	Metrologic(Honeywell)- MS7620 Horizon, MS 860 Datalogic - Magellan 2300 HS Motorola - symbol LS7808		-

ECR Interface Scale
PDN



- Connected to POS/ECR system
- Tilt Display, Low profile
- Easy to Read High brightness LED
- USB for Power Source and Communication
- Connected to POS/ECR system
- USB for Power Source and Communication



ECR Interface Scale
PD-II



- Adjustable display head
- Easy-to-read VFD display
- Communication ports: RS-232C or ECR interface
- Low profile

OPTION > Remote pole display: PDR-II (S) > Dual display
> Interface cables to ECR > Black body



Model	PDN						
	Single Interval			Dual Interval			
Capacity (kg)	Max. 6	Max. 12	Max. 30	Max. 3/6	Max. 6/15	Max. 15/30	Max. 15/32
Readability (g)	1	2	5	1/2	2/5	5/10	5/10
Internal Resolution	1/60,000	1/60,000	1/60,000	1/60,000	1/60,000	1/60,000	1/60,000
External Resolution	1/6,000	1/6,000	1/6,000	1/3,000	1/3,000	1/3,000	1/3,000
Max. Tare (kg)	-5.999	-11.998	-29.995	-2.999	-5.998	-14.995	-14.995
Display	94 x 28 mm / 3.7" x 1.1" 6 Digit LED						
Remote Display	94 x 28 mm / 3.7" x 1.1" 6 Digit LED						
Symbols	STABLE, ZERO, TARE, kg, lb, oz						
Keys	ZERO, TARE, FUNCTION						
Functions	Weighing, Unit Conversion, ECR Protocol, Printer Protocol, BLE (Option)						
Dimensions	384(W) x 308.4(D) x 81.8(H) mm						
Platter Size	380(W) x 280(D) mm						
Weight	5.6 kg						
Power	USB 5V or USB Adaptor (5V, 1000mA/Option)						
Operating Temperature	-10°C ~ +40°C / 14°F ~ 104°F						
Option	DEP-50, DLP-50 Printer (RS-232C Only) / BLE Module						

Model		PD-II			
Max.capacity (kg)	Single	6	15	30	
	Dual	3/6	6/15	15/30	
Readability (g)	Single	2	5	10	
	Dual	1/2	2/5	5/10	
External resolution	1/3,000 (Single or Dual interval)				
Display digit	6 digits				
Display type	VFD				
Operating temperature (°C)	-10 ~ +40				
Power	AC 100-220V, 50/60Hz				
Platter Size	380(W) x 280(D)				
Dimensions (mm)	380(W) x 280(D) x 79(H)				
Product weight (kg)	6.7				

POS Platform Scale

PDC

- Interface to most POS system with RS-232C & USB-B type port
- IVarious product type : Platform type, Single display type, Dual display type
- ILow Profile Design
- IWide platform : 370 x 270mm

OPTION > USB cable, RS-232C cable, Bluetooth Communication



Platform Model (PDC)



Single Display Model (PDC-S)



Dual Display Model (PDC-D)

Model	PDC / PDC-S / PDC-D					
Capacity	Dual Interval	Single Interval	Dual Interval	Single Interval	Dual Interval	Single Interval
	Max 3/6kg	Max 6kg	Max 6/15kg	Max 15kg	Max 15/30kg	Max 30kg
Readability(e)	e=1/2g	e=2g	e=2/5g	e=5g	e=5/10g	e=10g
External Resolution	Dual 1/3000	1/3000	Dual 1/3000	1/3000	Dual 1/3000	1/3000
MAX Tare	-2.999kg	-5.998kg	-5.998kg	-14.995kg	-14.995kg	-29.990kg
Display & keys	PDC : None PDC-S : 57.5 x 24.8 [mm] 6 digit LCD display / Zero & Tare keys PDC-D : 57.5 x 24.8 [mm] 6 digit LCD display x 2ea / Zero & Tare keys					
Operating Temperature	-10 °C ~ +40 °C / 14 °F ~ 104 °F					
Interface	USB B type, RS-232C					
Power	D.C 6V 0.5A Adapter , USB 5V					
Product Size	PDC: 370 (W) x 270 (D) x 68.3 (H)mm / PDC-S: 370 (W) x 312.3 (D) x 68.3 (H)mm / PDC-D : 370 (W) x 364 (D) x 68.3 (H)mm					
Platter Size	370 (W) x 270 (D)mm					
Product Weight	PDC: 5.0kg / PDC-S: 5.1kg / PDC-D : 5.2kg					
Option	USB cable, RS-232C cable, Bluetooth Communication					

Counting Scale

EC  

- RS-232C interface(connection with PC or Printers)
- Memory function (weight 200 units)
- Weight comparison function
- Double tray (Plastic + Stainless steel tray)

OPTION > Printer : DEP-50 (ticket)/DLP-50 (label)



Counting Scale
EC-II Series

- 1/600,000 high internal resolution for accurate counting
- Weight/count comparison function with alarm beeps
- Accumulation mode(Σ)
- Remote platform (up to 15tons)
- Various external devices : Ticket/Label printer, Aux.display comparator light, Remote platform
- 100ea memory (Unit weight, tare, item name, Address No, set HI/LO)

OPTION > Remote platform (up to 10tons) > Comparator light
> Aux. display > Printer: DEP-50 (Ticket) > DLP-50 (Label) > CT Box



Model	EC		EC-II	
Max.capacity (kg)	3	6	15	30
Readability (g)	0.1	0.2	0.5	1
Resolution	1/30,000		1/30,000 (non approval)	
Display digit	6/6/6(Weight/Unit weight/Count)			
Display type	LCD(blue backlight)			
Operating temperature (°C)	0 ~ +40			
Power	Rechargeable battery (6V, 5Ah) , DC adapter (DC 12V/1A)			
Platter Size (mm) (W x D)	306 x 222			
Dimensions (mm) (W x D x H)	330 x 346 x 107			
Product weight (kg)	4.5			

Counting Scale PR-C

- Rechargeable Battery
- Check weighing function
- High weighing performance

OPTION > Printer: DEP-50 (ticket)/DLP-50 (label)



Counting Scale CS CE

- Auto span adjustment
- Auto zero tracking
- Large stainless-steel platter

OPTION > RS-232C Interface



Model	PR-C				CS			
Max.capacity (kg)	30	75	150	250	2.5	5	10	25
Readability (g)	2	5	10	20	0.5	1	2	5
Resolution	1/15,000			1/12,500	1/5,000			
Display digit	6/6/6(Weight/Unit weight/Count)				5/5/5(Weight/Unit weight/Count)			
Display type	LCD(blue backlight)				VFD			
Operating temperature (°C)	0 ~ +40				-10 ~ +40			
Power	Rechargeable battery (6V, 5Ah), DC adapter DC 12V/850mA				AC 100~220V, 50/60Hz			
Platter size (mm) (W x D)	400 x 500				340 x 215			
Dimensions (mm) (W x D x H)	500 x 720 x 760				350 x 325 x 105			
Product weight (kg)	16.5				5.3			

Counting Bench Scale

ECB

- 1/600,000 high internal resolution for accurate counting
- Weight/count comparison function with alarm beeps
- Accumulation Mode (Σ)
- Pivot/Tilt indicator
- All embossing keys (total 48 ea)
- 124 ea memory (Direct 24ea, indirect 100 ea)

OPTION > Printer: DEP-50 (ticket)/DLP-50 (label)



Counting Bench Scale

AC

- Counting function
- Pivoting indicator head
- Die-casting platform
- Auto-span adjustment
- Easy-to-read VFD display
- Stainless-steel weighing platform



Model	ECB				AC		
Max.capacity (kg)	30	75	150	250	25	50	100
Readability (g)	2	5	10	20	5	10	20
Resolution	1/15,000			1/12,500	1/5,000		
Display digit	6/6/6 (Weight/Unit weight/Count)				5/5/5 (Weight/Unit weight/Count)		
Display type	LCD(blue backlight)				VFD		
Operating temperature (°C)	0 ~ +40				-5 ~ +35		
Power	Rechargeable battery (6V, 5Ah), DC adapter DC 12V/850mA				AC 100~220V, 50/60Hz		
Platter Size (mm)	400(W) x 500(D)				390(W) x 510(D)		
Dimensions (mm)	500(W) x 720(D) x 760(H)				420(W) x 610(D) x 852(H)		
Product weight (kg)	16.5				19		

Portable Bench Scale

PBII



- 180° reversible display
- Light-weight and easy to carry
- LCD backlight for night / dark area
- Operation time
 - Rechargeable type: Over 300hours
 - Non-rechargeable type: Over 500hours
- Hold function, auto power off function
- Small and light design

OPTION > Connect with smartphones by
Bluetooth communication



Model	PBII-30kg	PBII-60kg	PBII-150kg
Capacity	15/30kg	30/60kg	60/150kg
Readability (e)	5/10g	10/20g	20/50g
External Resolution	1/3,000	1/3,000	1/3,000
Max Tare	-14.995kg	-29.99kg	-59.98kg
Display	115 x 35 [mm] / 45 " x 15.5 " 6 digit LCD		
Keys	ZERO, TARE, HOLD, POWER		
Function	Weighing Hold Function / Backlight ON/OFF Control Function / Print out Function		
Platter size	350 x 350 (mm)		
Power	Type 1. Dry Battery (1.5V x 4 Unit, C Size) Type 2. Pb Battery (4V, 1.3Ah) + 6V Adaptor Type 3. Li-ion Battery (3.7V, 5200mAh) + 6V Adaptor		
Operation Time	300hours (Li-ion Battery) / 500hours (Alkaline at 20°C / 68°F) 80hours (Pb Battery) / 180hours (Dry Battery)		
Operation Temperature	-10°C ~ +40°C / 14°F ~ 104°F		
Interfaces	Standard: RS-232C or USB / Option: Bluetooth		



PB-Link

PB-Link is a control application for PB/PBII (Bluetooth version). Search for "PB-Link" in the Play Store or scan the QR code to download the app directly

• android  (Only Available on Android)



Portable Bench Scale

PB   

- Easy-to-carry portable type
- Dividing LCD display and body White backlight
- Battery operating up to 300 hours of continuous use
- Auto power-off function
- Auto zero tracking
- Rechargeable battery
- RS-232C interface

PB-Link

PB-Link is a control application for PB/PBII (Bluetooth version). Search for "PB-Link" in the Play Store or scan the QR code to download the app directly



• **android**  (Only Available on Android)



Bench Scale

BW-1N 

- Environmentally sealed (IP65)
- Tilt (90°) and swivel (360°) head
- Weight comparison function
- Counting function

OPTION > Backlight

> Rechargeable battery pack

with adapter > Wall-mount till bracket

> Printer: DEP-50 (ticket)



Model	PB				BW-1N				
Max.capacity (kg)	15/30	30/60	60/150	100/200	6	15	30	60	150
Readability (g)	5/10	10/20	20/50	50/100	2	5	10	20	50
Resolution	1/3,000(Dual interval)			1/2,000 (Dual interval)	1/3,000				
Display digit	6 digits				5 digits (Weight)				
Display type	LCD				LCD(backlight)				
Operating temperature (°C)	-10 ~ +40				-10 ~ +40				
Power	Rechargeable battery / Adapter (12V/1.25 A)				Dry battery, Rechargeable, Adapter				
Platter Size (mm) (W x D)	355 x 443				280 x 280			420 x 520	
Dimensions (mm) (W x D x H)	355 x 611 x 65				280 x 350 x 530			425 x 675 x 755	
Product weight (kg)	6.2				5.3			17.4	

Bench Scale CWP

- Stainless steel IP67 indicator & IP 67 loadcell
- Highly-legible display
- Built-in rechargeable battery
- Adjustable display
- Robust design
- Indicator Angle control

OPTION > LED display



Product Movie

Bench Scale CK200SC

- All stainless steel bench scale
- Stainless steel Load Cell & IP67 indicator
- High visibility LED display
- RS-232C interface

OPTION > RS-422/RS-485 interface

> Printer: DEP-50 (ticket), DLP-50 (label)

> Bright comparator light - Yellow, Green, Red (only for CK200SC) > LCD display



Bright comparator light
Yellow, Green, Red
option)

LCD display
(option)

Model	CWP-150S-E	CWP-150S-E	CWP-60S-C	CWP-150S-C	CK200SC				
Max.capacity (kg)	30/60	60/150	30/60	60/150	6	15	30	60	150
Readability (g)	10/20	20/50	10/20	20/50	2	5	10	20	50
Resolution	1/3,000(Dual interval)				1/3,000 (Single)				
Display type	LED		LCD		7-Segment 6digit LED 13(W) x 20(H) LED bar for weight comparison				
Display digit	6 digits (7-Segment)		6 digits		STABLE, ZERO, TARE, G/N, BAT, HOLD, COM, kg/lb, UNDER, OK, OVER				
Sign for status	ZERO, TARE, GROSS, NET, STABLE, HOLD, UNIT				-				
Operating temperature (°C)	-10 ~ +40				-10 ~ +40				
Power	DC Adapter / Rechargeable battery				DC Adapter / Rechargeable battery				
Key	10 Numeric Key, 5 Function Key				10 Numeric keys & 5 Function keys				
Battery Life	30 hours		180 hours (When the backlight off)		Approx. 30 hours				
Charging time	12 hours				12 hours				
Platter Size (mm) (W x D)	400 x 520				280 x 280			400 x 520	
Dimensions (mm) (W x D x H)	415 x 652 x 758				293 x 363 x 510			400 x 610 x 778	
Product weight (kg)	15				8.8			20.5	

Bench Scale
DB-II



- Tilt (90°C) and swivel (360°C) head
- Aluminum die casting platform
- RS-232C interface
- Counting function
- Rechargeable Battery



OPTION > Printer: DEP-50 (ticket)
> Wall-mount stand
> Wall mount tilt bracket > Backlight (LCD type)
> Load cell cable 3 meter (W type)
> LED display > VFD display



Bench Scale
DB Basic



- Tilt (90°) and swivel(360°) head
- Aluminum die casting platform
- RS-232C Interface
- Counting function

OPTION > Printer: DEP-50(ticket)
> Wall-mount > Backlight > Dust cover



Model	DB-II							DB Basic				
								DBB-360		DBB-460		
Max.capacity (kg)	3/6	6/15	15/30	30/60	60/150	30/60	60/150	30/60	60/150	30/60	60/150	150/300
Readability (g)	1/2	2/5	5/10	10/20	20/50	10/20	20/50	10/20	20/50	10/20	20/50	50/100
Resolution	1/3,000(Dual interval)							1/3,000(Dual interval)				
Display digit	6 digits (Weight)							6 digits (Weight)				
Display type	LCD (LED)					VFD		LCD				
Operating temperature (°C)	-10 ~ +40							-10 ~ +40				
Power	DC Adapter					100~220V 50/60Hz		DC Adapter 9V/850mA 6V 3.3Ah 20hr Pb Battery				
Platter size (mm) (W x D)	280 x 280			420 x 510				360 x 460		460 x 570		
Dimensions (mm) (W x D x H)	280 x 350 x 530			425 x 675 x 755				360 x 580 x 765		460 x 690 x 765		
Product weight (kg)	5			14.7		14		14.7		20		

Bench Scale DB-1H



- Solid built frame & soft touch tact switch
- Die-casting large platform
- Pivot type indicator
- Rigid design for versatile uses
- Auto zero tracking

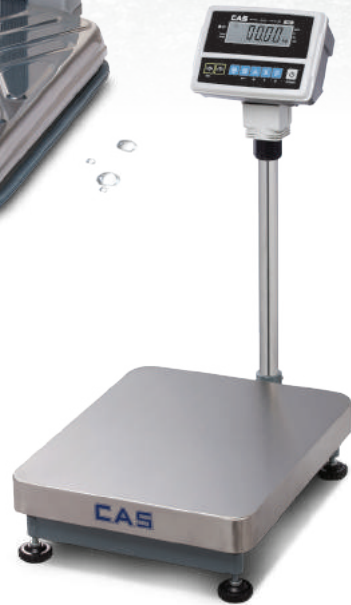
OPTION > RS-232C interface



Bench Scale HD

- High-Resolution Weighing
- Counting & Percent mode Support
- Check- Weighing function(HI/OK/LO display)
- Easy operation with 9 function Keys
- Rechargeable Battery(80 hours Continuous Use)
- Serial Interface – RS232 Option

OPTION > RS-232(PC Communication / Receipt Printer)



Model	DB-1H				HD	
Max.capacity(kg)	15/30	30/60	60/150	100/200 (non approval)	150	300
Repeatability(g)	5/10	10/20	20/50	50/100	50, 10	100, 20
Resolution	1/3,000 (Dual)			1/2,000 (Dual)	1/3,000 ~ 1/15,000	
Display digit	5 digits				6 digits	
Display Type	VFD				LCD	
Operating temperature (°C)	-10 ~ +40				0 ~ +40	
Power	AC 100~220V, 50/60 HZ				AC Adapter 12V/800mA Internal Rechargeable sealed acid battery	
Platter Size(mm) (W x D)	400 x 520				400 x 500	
Dimensions(mm) (W x D x H)	420 x 635 x 765				400 x 630 x 750	
Product weight (kg)	19				15	

Bench Scale
DL-N

- Battery operating
- AC adapter included
- Easy-to-read LCD display
- Auto-span adjustment
- Auto zero tracking



Dry Battery: C size
It is available to use anywhere
by using dry battery.



Bench Scale
ND-300/300H

- Die-casting platform & Stainless-steel platter
- Rigid design for versatile uses Pivot type indicator
- Solid built frame



ND-300



ND-300H

Model	DL-N				ND-300/300H
Max.capacity (kg)	60	100	150	200	300
Readability (g)	20	50	50	100	100
Resolution	1/3,000	1/2,000	1/3,000	1/2,000	1/3,000
Display digit	5 digits (Weight)				5 digits (Weight)
Display type	LCD				VFD
Operating temperature (°C)	-10 ~ +40				-10 ~ +40
Power	DC 9V (1.5V x 6ea) /DC adapter				AC100~220V, 50/60Hz
Platter Size (mm)	400(W) x 520(D)				480(W) x 640(D)
Dimensions (mm)	420(W) x635(D) x 730(H)				460(W) x7620D) x 840(H)
Product weight (kg)	16				19

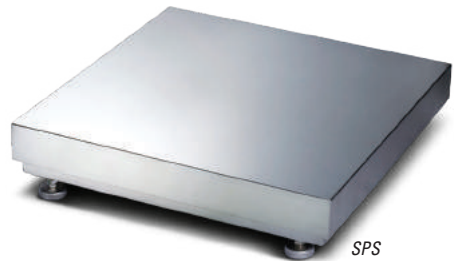
Bench Scale DBI/SPS

- Large LCD display with backlight (20mm)
- Counting & percentage mode - Only DBI LCD
- Accumulation mode (Σ)
- Weight comparison (HI/LOW/OK) - Only DBI LCD
- RS-232C interface
- Ticket print-out (DEP-50)
- Rechargeable battery (Approx. 100 hours)
- Various sizes & capacities
- Stainless steel dust cover
- Strong and light packing with hardboard

OPTION > Wall mount stand > Wall mount tilt bracket > Back rail
Printer: DEP-50 > LED display



DBI



SPS



Wall Mount Stand



Wall Mount Tilt Bracket



Back Rail



Print Connection

Model	DBI/SPS Series		
Max.capacity (kg)	60/150 (SPS5060 only)	150/300	300/600
Readability (g)	20/50	50/100	100/200
Resolution	1/3,000 (Dual interval)		
Display digit	6/6/6 (Weight/Unit price/Total price)		
Display type	LCD (LED)		
Operating temperature (°C)	-10 ~ +40		
Power	Rechargeable battery, 12V Adapter		
Battery Life	Approx.200hrs (backlight off)		
Dimension (mm)(W x D x H)	SPS5060 - 500x600x141/ SPS6070 - 600x700x165 SPS7080 - 700x800x165/ SPS8090 - 800x900x165		
Back Rail(mm)(W x D)	SPS5060- 270 x 450, SPS6070- 400 x 550 SPS7080 & SPS8090- 520 X 650		
Product weight (kg)	SPS5060- 22.5, SPS6070- 31.5, SPS7080- 39.7, SPS8090- 46.8		

Bench Scale
DB-C

- LCD Display
- Rotatable Indicator
- SUS Platter
- Easy to Operate
- Checkweighing Function
- RS-232 Interface for Printer / Communication



Bench Scale
SPC

- LED Display
- SUS Covered Indicator / Platter
- Price computing function
- Battery check function

Model	DB-C
Capacity	150kg
Readability	50g
Display	LCD (6 digit)
Platter Size	400 x 500 (mm)
Power	AC 220V 50/60Hz DC 6V 3.3A Rechargeable Battery
Operating Temperature (°C)	-10~40
Weight	14.5kg
Interface	RS-232 (linkable with CAS DEP-50 Ticket Printer)
Function	Checkweighing

Model	SPC
Max. Capacity (kg)	150kg
Readability (g)	50g
Platter Size	400mm X 500mm
Platter	SUS
Key	24 keys with 3 PLU
AC	110/220V (±10%)
Battery	4V/4Ah
Operating Temperature (°C)	0°C~40°C (32°F ~ 104°F)
Humidity	10%<RH<85%
Carton size	73*54*40cm, 4pcs/ctn
Gross weight	26.4kg

Floor Scale

HFS



Model	Max. capacity (kg)	Readability (kg)	Dimensions (mm) (W x D x H)
0.5HFS	500	0.2	1,000 x 1,000 x 90
0.5HFS	1,000	0.5	800 x 800 x 90
1HFS	1,000	0.5	1,000 x 800 x 90
1HFS	1,000	0.5	1,000 x 1,000 x 90
1HFS	1,000	0.5	1,000 x 1,200 x 90
1HFS	1,000	0.5	1,100 x 1,100 x 90
1HFS	1,000	0.5	1,200 x 1,200 x 90
1HFS	1,000	0.5	1,200 x 1,500 x 90
2HFS	2,000	1	1,200 x 1,200 x 90
2HFS	2,000	1	1,200 x 1,500 x 90
2HFS	2,000	1	1,500 x 1,500 x 90
3HFS	3,000	1	1,200 x 1,200 x 90
3HFS	3,000	1	1,200 x 1,500 x 90
3HFS	3,000	1	1,500 x 1,500 x 90
3HFS	3,000	1	1,500 x 1,800 x 90
3HFS	3,000	1	1,500 x 2000 x 90
5HFS	5,000	2	1,500 x 1,500 x 90
5HFS	5,000	2	1,500 x 1,800 x 90
5HFS	5,000	2	1,500 x 2,000 x 90

- Rugged construction and heavy-duty weighing plate
- Protected load cell wire by flexible cable
- Adjustable and swivel feet
- High quality powder coating

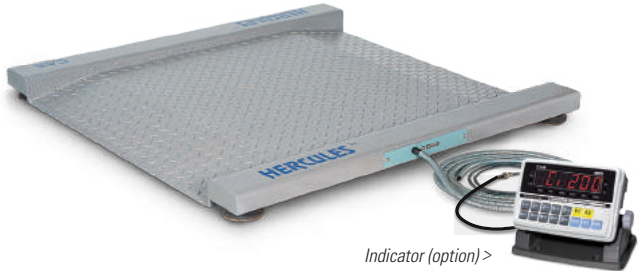
OPTION > *Stainless steel construction*
> *Access ramps* > *Pit frames* > *Indicator stand*



Roll-on Scale
ROLL-ON

- Rugged structure and low profile
- Heavy-duty weighing plate
- Protected load cell wire by flexible cable
- Adjustable and swivel feet
- High quality powder coating

OPTION > *Indicator, Indicator stand*



Model	R-300	R-500	R-1000
Max.capacity (kg)	300	500	1,000
Readability (kg)	0.1	0.2	0.5
Resolution	1,000(W) x 1,000(D) x 90(H)		

Wheelchair Scale WCS

- 1/4,000 high resolution
- High-legible LCD display (25mm)
- Slip type for each roll-on
- Fixable feet
- Application: hospital

OPTION > Printing function

Model	WCS-200
Max.capacity (kg)	200
Readability (kg)	0.05
Power	AC 220V
Platter Size (mm) (WxD)	800 x 800
Dimensions (mm) (W x D x H)	1,000 x 1,000 x 1,120
Height of display Head (mm)	40

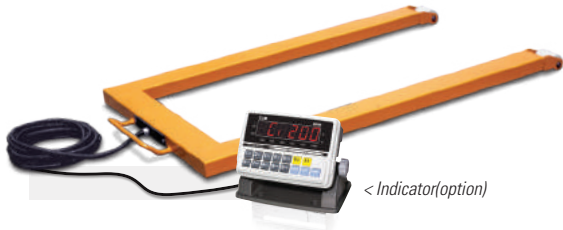


U Scale UFS

- Heavy-duty body
- High quality powder coating finish
- Full protection of load cells and cables

OPTION > Indicator > Indicator stand

Model	500UFS	1000UFS	2000UFS	3000UFS	4000UFS
Max.capacity (kg)	500	1,000	2,000	3,000	4,000
Dimensions (mm)	800(W) x 1200(D) x 70(H)				



< Indicator(option)

Bar Scale BFS

- Heavy-duty body
- High quality powder coating finish
- Full protection of load cells and cables

OPTION > Indicator > Indicator stand

Model	500BFS	1000BFS	2000BFS
Max.capacity (kg)	500	1000	2000
Dimensions (mm)	120(W) x 1200(D) x 70(H)		



Low Deck Truck Scale Ez Lodec

- Rugged struction
- Galvanized surface
- Easy Installation

OPTION > Indicator > Auxiliary display



NO	Max.capacity (ton)	Readability	Size (m)	Length (mm)	L/C Q'y (EA)
1	40	10	3 x 6	6,250	4
2	60	10	3 x 12	12,200	6
3	80	20	3 x 18	18,150	8

Low Deck Truck Scale LMT

- Wholly-enclosed cavity-shape scale for better strength, rigidity and anti-torsion of scale
- Quick to install-simple and optimized design of modular
- Longitudinally novel and easy connection and method of limit
- Integrated load cell modular for convenient installation on site
- Quality paint finish with shot blaster ball
- Non-slip surface-reduce accidents

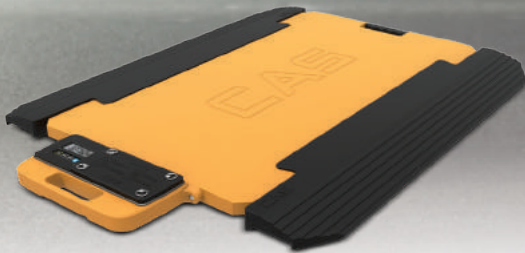
OPTION > Local display > Guide rail
> Unmanned Auto weighing system > PC software



Size	Max.capacity (t)	Dead Weight	Sections/unit length	Q'ty of Module	Remark
3X12m	60	7	2/5.8+5.8m	4	Upper Plate : Use 12t check plate
3X15m	60	8.5	3/5+5+5m	6	
3X18m	60	10	3/5.8+5.8+5.8m	6	
3x18m	80	11.4	3/5.8+5.8+5.8m	6	

Vehicle Weighing Scale RW-PLZ

- Low Profile (Light Weight)
- Water Proof IP67
- Balance weighing / In motion weighing(WIM)
- Lithum-Ion Battery Operating time : 120hours
Charging time : 12hours
- BLE(Bluetooth) communication



Road Weigher Indicator RW-5000Z

- Horizontal balance function
- WIM function and WIM Specification: $\pm 3\%$ accuracy under 10km/h / WIM 12-axes Measuring (Option)
- Indication of error number on indicator display for communication errors between pads
- IN/OUT BOUND measuring per vehicle (Full-vacant=product weight)
- Indication of upper limit exceeding weight at upper limit setting or printing per axle/ setting print number of measuring



BODY		
Model	RW-PLZ	
Capacity(t)	10	15
Division(kg)	20	20
Platform size (mm) (W x D x H)	900 x 500 x 34	
Body weight(kg)	30kg (Display included)	
Protection grade	IP67	
DISPLAY MODULE		
Model	RW-PLZ	
Display	5digit LCD(excluded), character height 15mm, back light	
Key	On/OFF, Zero, Sum(kg/lb), Light	
Protection grade	IP67	
Communication type	BLE (Bluetooth)	
Communication range	40m	
A/D converting speed	Nomal weighing: 10 times/sec In motion : 100 times/sec	
Power	D/C Adapter / Rechargeable battery, 3.7V / 7,800mAh Li-ion	
Battery life/Charging time	Approx. 120 hours / 12 hours	
RW-5000Z		
Model	RW-5000Z	
Display	Graphic LCD with Backlight	
Weight Communication type	BLE (Bluetooth 4.0)	
Data Communication type	RS-232C / USB	
Rechargeable battery	DC 12V adapter or DC 12~24V car charger for vehicle	
Memory	Measuring data more than 10,000 on basis of 6-axes	
Battery life/Charging time	Approx. 25 hours / 12 hours	
Power	Pb DC 6V 10Ah	
Printer	Thermal	
No. of connection platform	8 ea	
Product weight (kg)	Approx. 4.5 (Net weight)	



Product Movie

Vehicle Weighing Scale

RW-PL  



- Compact size & durable design
- Printing warning lamp and buzzer in the case of overload
- Possibility of saving 100 car number & 8000 Axle weight data
- External equipment data back-up through USB port
- IP67 waterproof indicator case
- Storage parts such as cigar jack, cable and adapter through option

Road Weigher Indicator

RW-5002PL



- Compact size & durable design
- Printing warning lamp and buzzer in the case of overload
- Possibility of saving 100 car number & 8000 Axle weight data
- External equipment data back-up through USB port
- IP67 waterproof indicator case
- Storage parts such as cigar jack, cable and adapter through option

Model	RW-15PL
Max. Capacity(kg)	15,000
Readability(kg)	50
Protection Class	IP67
Product size(mm) (W x D x H)	900 x 500 x 34
Product weight(kg)	19.5
Ramp weight(kg)	4.3

Model	RW-5002PL
Display	Graphic LCD
Status indication	Zero, Tare, Stable, Battery Charge, Warning
Key	Alphanumeric key, Various function keys
Power	Pb DC 6V 10Ah
Rechargeable battery	DC 12V adapter or DC 12~24V car charger for vehicle
Battery life/Charging time	Approx. 25 hours / 12 hours
Product weight (kg)	Approx. 4.5 (Net weight)
Accessories	1 x Adapter, 1 x Printing paper, 1 x Shoulder belt

Vehicle Weighing Scale

RW-S/L



- Easy-to-carry portable type
- Possible to display weight of each wheel or of all wheels
- Semipermanent structure made from stainless steel or aluminum
- Outstanding water resistant and vibration-proof level
- Easy to measure small/large size vehicle
- Used for finding over-loaded vehicle and
- Weighing test when car is let out
- Auto backlight & high accuracy
- Rechargeable battery : AA size (6x2)



RW-S



RW-L

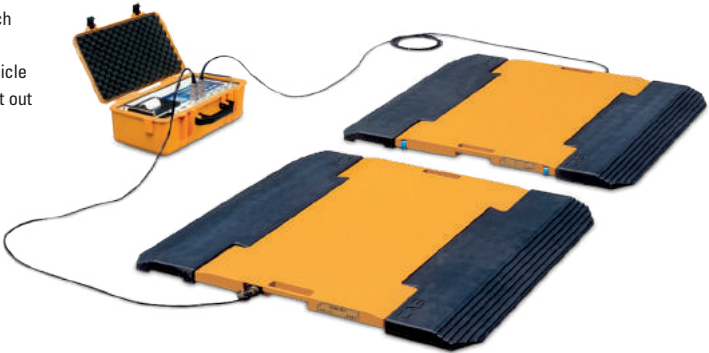
Model		RW-05S	RW-10S	RW-05L	RW-05S
Max.capacity(kg)		5,000	10,000	5,000	10,000
Readability(kg)		2	5	2	5
Accuracy(%)		0.1			
Size (mm)	P x P'	340 x 310			340 x600
	W x L x H	458 x 536 x 60			718 x 566 x 60
Power		Normal	1.2V AA size rechargeable battery 2Pack (1Pack = 6 EA)		
			DC adapter		
Battery operating time		Approx. 20hours(Charging time: Approx.10 hours)			
Display		5digit LCD (height 25mm)			
Operating Temperature (°C)		-10 ~ +40			

Vehicle Weighing Scale RW-P



- Easy-to-carry portable type
- Easy to measure small/large size vehicle
- Semipermanent structure made from aluminum
- Outstanding water resistant and vibration-proof effect
- High accuracy & slim shape
- Possible to display weight of each wheel or of all wheels
- Used for finding over-loaded vehicle and weighing test when car is let out

OPTION > Dummy plate



Road Weigher Indicator RW-5000P

- Easy to carry with compact size
- 6 ports for wired-connection with RW-PADs
- Graphic display, alphanumeric & function keys
- Built in printer for promptly printing
- RS-232C for data transfer
- Store(Record) 100 vehicles information & 10,000 axle weight data
- USB Port for data back-up (Stored in text or csv file when backed up to USB memory / Selectable type of file)
- Support various printing format (Company, Site, Wheel/Axle weight, Driver, Inspector & Time etc.)



Model	RW-5000P
Display	Mono Graphic LCD
Status display	ZERO, STABLE, CHARGE, WARNING, BATTERY
Key	Alphanumeric & function keys
Operating power	Pb 6V 10Ah rechargeable battery
Charging power	DC 12V 1.5A adapto
Operating time	25hours
Battery charging time	12hours
Interface	RS-232C(for data transfer), USB(for data back-up)
Printer	Thermal print
Product weight	Approx. 6.5kg
Accessory	1 x DC12V Adaptor for charging / 1 x User manual 1 x Printing paper roll / 1 x Shoulder belt / 1 x Cigar jac

Crane Scale
CASTON III PLUS

- 1.5 inch high visibility LED display
- Rugged enclosure suitable for rough environment
- Watertight structure, protect against moisture and dust
- High accuracy up to +/-0.03% of capacity
- Infrared remote controller (for up to 8m)
- Low battery status lamp
- Easy to change a battery pack
- Swivel Hook
- Auto power off, sleep mode, hold functions

OPTION > Bluetooth communication
> TWIN(Portable handheld indicator)



CASTON III PLUS
(1, 2, 3, 5ton)



CASTON III PLUS
(10, 15, 20, 30, 50ton)



TWIN



CASTON III PLUS BT



Model	1THD PLUS	2THD PLUS	3THD PLUS	5THD PLUS	10THD PLUS	15THD PLUS	20THD PLUS	30THD PLUS	50THD PLUS
Max.capacity (t)	1	2	3	5	10	15	20	30	50
Readability (kg)	0.05	1	2	2	5	10	10	20	20
Resolution	1/2,000	1/2,000	1/1,500	1/2,500	1/2,000	1/1,500	1/2,000	1/1,500	1/2,500
Display digit	5 digits								
Display type	LED (1.5inch)								
Operating temperature (°C)	-10 ~ +40								
Power	Rechargeable battery / DC Adapter								
Dimensions (mm) (W x D x H)	280 x 341 x 510	280 x 341.5 x 515		280x 341 x 538	280 x 360 x 845	280 x 360 x 886	280 x 360 x 990	280 x 440 x 1200	280 x 440 x 1520
Product weight (kg)	28	28	28	31	44	53	76	220	390

Crane Scale CASTON II^{PLUS}

- High visibility LED/LCD display. (Height : LED-38 mm / LCD-28 mm)
- Rugged enclosure suitable for rough environment
- IP65 Watertight structure against moisture and dust
- Easy to change Li-ion battery pack (2 battery packs are provided)
- Long battery operating time : LED-150hours / LCD-300hours
- Top shackle and selectable bottom hook type between non-swivel and swivel hook
- Infrared remote controller (Standard)
- Functions
 - Hold : Auto/Peak/Average Hold
 - Auto power off, Sleep mode
 - Weight comparison (Optional External output) : LED-Hi/Lo/Ok, LCD- Hi/Lo

OPTION > Selectable hook type between non-swivel and swivel hook.
 > Selectable wireless communication type between Bluetooth and Zigbee.
 > Selectable between TWN-B and TWN-Z.
 > External output for weight comparison function(Hi/Ok/Lo)



Model	CASTON II ^{PLUS} -E(LED)	CASTON II ^{PLUS} -C(LCD)
Max. Capacity	0.5 / 1 / 2 / 3 / 5 / 10 ton	
Division	0.2 / 0.5 / 1 / 1 / 2 / 5 kg	
Resolution	1/2,000 ~ 1/3,000	
Display	5 digits LED(Height : 38mm)	6digits LCD(Height :28mm) with backlight
Status Indication	Zero, Tare, Hold, kg/lb, Stable, Low battery, Hi/Lo/OK	Zero, Tare, Hold, kg/lb, Stable, Battery gauge, Hi/Lo
Key	5 Function key : Power, Zero, Tare, Hold, *(function)	
Ingress Protection	IP65	
Power	DC 3.7V / 7,800mAh Li-ion battery pack	
Battery Operating Time (For 1 battery pack)	150 hours	300 hours
Battery Charging Time	12 hours	
Hook type	Selectable between Non-Swivel or Swivel Hook	
Wireless Comm.	Standard : Infrared (For Remote controller) Optional : Bluetooth(For TWN-B), Zigbee(For TWN-Z)	
Operation Temperature	- 10 °C ~ +40 °C	

Crane Scale
CASTON-II

- Standard wireless remote controller
- Rechargeable battery pack
- Battery operated with low battery indication
- On/off, zero, tare and hold function
- Spare battery pack & charger included

OPTION > Bluetooth communication
> TWN(Portable handheld indicator)



Crane Scale
CASTON-I

- Washdown case
- Battery operated with low battery indication
- On/off, zero, tare and hold function
- Various display (LCD/LED)



Model	CASTON-II						CASTON-I					
	0.5THB	1THB	2THB	3THB	3THB (approval)	5THB	0.1THA	0.2THA	0.3THA	0.5THA	1THA	2THA
Max.capacity (kg)	500	1,000	2,000		3,000	5,000	100	200	300	500	1,000	2,000
Readability (kg)	0.2	0.5	1	2	1	2	0.05	0.1	0.1	0.2	0.5	1
Resolution	1/2,500	1/2,000	1/2,000	1/1,500	1/3,000	1/2,500	1/2,000	1/2,000	1/3,000	1/2,500	1/2,000	1/2,000
Display digit	5 digits						5 digits					
Display type	LED(1.2inch)						LCD(1inch) / LED(0.8inch)					
Operating temperature (°C)	-10 ~ +40						-10 ~ +40					
Power	Rechargeable battery / DC Adapter						Rechargeable battery / DC Adapter					
Dimensions (mm) (W x D x H)	258 x 440 x 380		230 x 370 x 474			230 x 370 x 518	258 x 440 x 1,330					
Product weight (kg)	15	15	17			20	6.5	6.7		6.9		

Tension Meter TM CE

- Conversion of various units
- IP65 Waterproof enclosure
- Large LCD display(letter height: 1.2inches, 30mm) to easily view weights
- Peak hold, set points for relay control and keypad setup
- Long battery operating time
- Various communication interfaces
- Two optional wireless communication - Bluetooth or Zigbee

OPTION > TWN(Selectable between Bluetooth or Zigbee communication)
 > Wireless communication(Selectable between Bluetooth or Zigbee)
 > Top and Bottom Shackle > Portable carrying case(only for under 5 ton)
 > 20m Cable



Product Movie



Model	TM							
Max.capacity (kg)	500	1,000	3,000	5,000	10,000	15,000	25,000	50,000
Division(kg)	0.5	1	2	5	10	10	20	50
Unit	≤ 0.1% of full capacity							
Safety Factor	3:1							
Power	4 AA size 1.5V alkaline batteries / 0.3~0.5W							
Battery operating time	Wire type:Approx. 500 hours / Wireless type:Approx. 44hours							
Display	5 digit LCD display / Character height : 1.2inches(30mm)							
Operating Temperature (°C)	-20 ~ +60							
Protection Class	IP65							
Material	Aluminum				Steel			
Communication	Standard : RS-232C/RS-485/Setpoint(3 points) / Option : Bluetooth or Zigbee wireless communication							
Wireless Communication Distance	Bluetooth:Max. 100m / Zigbee:Max. 100m(only for open site)							
Product Weight(kg)	2.3	2.3	2.5	3.3	12	18	22	40

Crane Scale
NC-1



- Washdown aluminum case
- Wireless remote controller
- Battery operated with low battery indication
- Auto calibration and auto zero tracking
- On/off, zero, tare and hold function

Remote Controller
Remote Controller provides easy & convenient operation from a distance.

Model	NC-1			
Max.capacity (kg)	50	100	200	500
Readability (kg)	0.02	0.05	0.1	0.2
Resolution	1/2,500	1/2,000		1/2,500
Display digit	5 digits			
Display type	LCD(1inch)			
Operating temperature (°C)	-10 ~ +40			
Power	Rechargeable battery / DC Adapter			
Dimensions (mm) (W x D x H)	260 x 134 x 480			
Product weight (kg)	5.5			



Crane Scale
IE-1700

- Adjustable brightness of the display (5 degrees)
- Wireless remote controller
- Battery operated with low battery indication

Model	IE-1700				
Max.capacity (kg)	100	200	300	500	1,000
Readability (g)	0.05	0.1	0.1	0.2	0.5
Resolution	1/2,000		1/3,000	1/2,500	1/2,000
Display digit	5 digits				
Display type	LED (1.2inch)				
Operating temperature (°C)	-10 ~ +40				
Power	Rechargeable battery / DC Adapter				
Dimensions (mm) (W x D x H)	225 x 375 x 130			225 x 405 x 130	
Product weight (kg)	4			4.2	



CPS

-

CPS^{PLUS}/MP  

-
- A yellow and black electronic pallet truck. It features a black handle with a handgrip, a digital display on the control panel, and two black pallet forks. The truck is equipped with red wheels and a yellow frame. The brand name 'CAG' is visible on the side of the frame.

Model		CPS-1			CPS-2			CPS ^{PLUS} -1			CPS ^{PLUS} -2			MP-1			MP-1.5			MP-2		
Product size	TYPE	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
	W	540	620	705	540	620	705	540	620	705	540	620	705	540	620	705	540	620	705	540	620	705
	L	1140			1140			1140			1140			1140			1140			1140		
Capacity (kg)		1000			2000			1500			2500			1000			1500			2000		
Readability (kg)		0.5			1			0.5			1			0.5			0.5			1		
Display		5digit LCD (Height 25mm)						6 digits LED (Height:25mm)						6 digit LED(Height: 25mm), 5 digit + sign LCD(Height: 24mm)								
Power		DC6V/ 10Ah Battery (AC 110V/220V Charger)						DC 6V/ 5Ah Battery (AC 110V/220V Charger)						6VDC / 10Ah rechargeable battery)(6VDC / 2Ah charger)								
Battery operating time		-						100 hours (continuous usage)						85 Hours								
Battery charging time		-						12 Hours						10 Hours								
Operating temperature(°C)		-10 ~ +40						-10~ +40						-10~ +40								

Food waste pickup scale

CBS PLUS

- Picking up and weighing food waste at once
- Rugged construction
- Easy operation
- Storing and searching weighing data

Model	CBS PLUS
Max.Capacity(kg)	300
Readability(kg)	0.5
Resolution	1/600
Indicator	CI-605A
Operating temperature(°C)	-20 ~ +50
Power	DC24V(vehicle power usage)
Product size(mm) (W x D x H)	External panel : 300 x 306 x 320 Platform : 930 x 720 x 110
Product weight(kg)	External panel : Approx. 15 / Platform : Approx. 26



Product Movie

Drum Scale

CDS PLUS

- Easy-to-carry (Battery type)
- Easy operation
- Possible to change drum clamp method according to shape of drum (ex: plastic drum)
- Reduce working hours by weight and destination movement at the same time
- Automatic ascension and descent of drum

Application > Chemical plant, lubricant, pigments plant



Fork Lift Scale

CFS

- Easily attached the scale to the fork lift
- Built-in Level Sensor for degree of precision improvement
- Reduce working hours by weight and destination movement at the same time
- Function of scale and transportation

Application > Distribution center, cargo terminal, warehouse, feed plant, airport cargo terminal at arrival and shipment of various products



Logistics Inspection System CLIS-200

- Weigh products / Manage barcodes
- Portable tray
- Durable structure(Sensor protection)
- Industrial PC / 15" touch monitor
- Barcode scanner connect
- Stock control program installed

OPTION > Barcode scanner connect



Product Movie



Logistics Inspection System CLIS-500

- Measure the weight/volume • Fixed tray
- Image data save and Barcode scan
- Durable structure(Sensor protection)
- Industrial PC / 15" touch monitor
- Measuring, operating program installed

OPTION > Barcode scanner connect



Logistics Inspection System CLIS-700

- Auto weighing ,volume, image save measure
- Image data save and barcode scan
- Image data USB back up • Auto system
- Industrial PC / 15" touch monitor
- Auto measuring, operating program installed

OPTION > Handy barcode scanner connect



CLIS Private Program

Model	CLIS-200	CLIS-500	CLIS-700
Max. capacity(kg)	60	60	60
Repeatability(g)	10	10	20
Measuring range(mm) (W x D x H)	-	MAX : 500 x 450 x 450 MIN : 150 x 150 x 50 (Allowable error : +/- 5)	MAX : 600 x 750 x 600 MIN : 50 x 150 x 50 (Allowable error +/- 5)
Display	15" touch monitor	15" touch monitor	15" touch monitor
Power	AC 220V	AC 220V	AC 220V
Tray size(mm) (W x D)	700 x 600	700 x 600	-
Product size(mm) (W x D x H)	810 x 910 x 1600	820 x 920 x 2150	1500 x 1200 x 2550

Auto Checker
CCK-700

- 8inch Touch Panel & User-Friendly Graphic User Interface
- Optimization of weighing configuration
- Store up to 999 products
- Various Interface(RS-232C, RS-485, Ethernet, USB)
- Data back-up & Parameter setting via USB memory
- Modbus RTU/ Modbus TCP support
- Stability of stainless steel structure



Model code	CCK700-WB006		CCK700-WB012		CCK700-WB030		
	I15W02	I14W03	I14W13	I23W24	I23W24	I34W35	I45W46
Capacity	600g		1,200g		3,000g		
Weigh Range	2~300g	3~600g	5~600g	10~1,200g	30~3,000g		
*Readability	0.05g	0.1g	0.1g	0.1g	0.5g		
Max. Accuracy	±0.1g(3σ)	±0.2g(3σ)	±0.2g(3σ)	±0.3g(3σ)	±1.0g(3σ)		
Max. Throughput (ea/min)	400	320	320	240	170	140	110
Conveyor belt speed (m/min)	10~110		10~110		10~80		
Product Dimension (mm)	Width	10~100	20~150	20~220	20~220	20~300	20~380
	Length	40~200	40~300	45~300	45~400	50~400	50~500
	Height	3~120		5~180		3~250	
Conveyor (mm)	Feed	150W×550L	150W×450L	150W×450L	220W×350L	220×350	300×450
	Weighing	100W×250L	100W×350L	150W×350L	220W×450L	220×450	300×550
	Reject	150W×450L	150W×450L	150W×450L/550L	220W×450L/550L	220×550	300×550
Rejector	Flip bar, Drop belt, Pusher bar, Air jet, Air pusher				Flip bar, Drop belt, Pusher bar, Air pusher		

Model code	CCK700-WB060		CCK700-WC150		CCK700-WC300		CCK700-WC600	
	I34W35	I45W46	W407	W409	W509	W511	W611	W613
Capacity	6,000g		15kg		30kg		60kg	
Weigh Range	30~3,000g	60~6,000g	0.1~15kg		0.2~30kg		0.5~60kg	
*Readability	0.5g	1g	5g		10g		10g	
Max. Accuracy	±1.5(3σ)	±3.0(3σ)	±10(3σ)		±10(3σ)		±30(3σ)	
Max. Throughput (ea/min)	100	90	70	50	45	40	40	30
Conveyor belt speed (m/min)	10~65		21/25/32/35/42/50		13/16/21/25/32/35/42			
Product Dimension (mm)	Width	20~300	20~380	20~400	20~400	20~500		20~600
	Length	50~500	50~600	50~600	80~800	200~800	200~1,000	200~1,000
	Height	5~350		10~500		10~500		
Conveyor (mm)	Feed	300W×450L	380W×550L	400		500		600
	Weighing	300W×550L	380W×650L	700L	900L	900L	1,100L	1,300L
	Reject	300W×550L/650L	380W×550L/650L	700L	900L	900L	1,100L	1,100L
Rejector	Flip bar, Drop belt, Pusher bar, Air pusher			Pusher roller, Air pusher				

* Depends on the weight, dimensions, throughput-rate and particular application.of the product type

- Arbitrary selection of absolute value and deviation measurement method
- Built-in data double back up function in case of blackout
- Auto zero tracking function
- Built-in temperature change and noise compensation circuit

Metal Detector CMS2000

- Character input mode: Easy to register product name by keypad
- Adjust detection signal timer: Adjustable for timer of detection signal
- Attribute: Selection signal contact (A or B)
- New item register: Register Max. 99 items
- Factory setting: Save and restore default setting
- Basic screen
 - Quick setting by function key (F1~F4)
 - Quick setting sensitivity and item name
 - Value of product effect
- Auto calibration
 - Quick calibrate passing through products
 - Easy to understand product status (Dry or Wet)
 - Auto searching for adapted phase angle



OPTION > IP69k (Waterproof) > Linkable to PC > Cover for wind breaking > Plastic belt/Urethane belt

Model	CMS2000-350						CMS2000-600					
Belt width (mm)	100	150	200	250	300	350	350	400	450	500	550	600
Aperture width (mm)	200	250	300	350	400	450	450	500	550	600	650	700
Product weight (kg)	0.4	0.6	1.5	2.0	3.0	6.0	20	20	30	30	40	40
Pass height	Aperture height: ~30mm						Aperture height: ~30mm					
Conveyor length	900/1000/1100mm						1300/1500/1800mm					
Speed range	10~70m/min						10~50m/min					
Rejector type	Belt stop, Flip bar, Pusher, Air blast, Drop down, Swing						Belt stop, Pusher, Drop down, Swing					
Power requirements	200VAC ±10%, 1 Phase, 50/60Hz						200VAC ±10%, 1 Phase, 50/60Hz					

Rejector



Air Jet
Using strong winds for sorting (appropriate for light materials)



Carrier
Changing directions to a sliding type



Conveyor Drop
Moving conveyor belt up or down



Belt Pusher
Pusher pushes materials out from the conveyor



Roller Pusher
Sorting materials in Roller Conveyor as the Belt Pusher (appropriate for heavy materials)



Flip Bar
Flip Bar pushes for both directions

Type	Air Jet	Carrier	Conveyor Drop	Belt Pusher	Roller Pusher	Flip Bar
Max. capacity	1.2 kg	600 g	6 kg	30 kg	3 ~ 60 kg	6 kg
Max. throughput (pcs/min)	Max. 250	Max. 180	Max. 60	Max. 180	Max. 80	Max. 120
Sorting point	2	3	2	2	2	3
Conveyor belt width (mm)	100 ~ 220	150	100 ~ 360	100 ~ 480	510 ~ 940	100 ~ 360

Multi-level Checkweigher CCK-5500-M

- Automatic checkweighers used for fishery products or products that need to be sorted separately by weight grade
- Optimum Accuracy can be different depending on product condition and conveyor speed
- Max. Weigh Speed can be different depending on product condition and conveyor speed
- Weight grade can be enabled up to Max. 8 grade

OPTION > Buzzer & Lamp > Printer

Model	CCK-5500-M
Weighing Range	10 g ~ 60 kg
Precision Resolution	0.1 g ~ 20 g
Maximam throughput	280 ea/min
Belt speed (m/min)	10 ~ 110 m/min
Product Memory	50 Item
Weight Grade	Standard 8 Grade



Filling Machine CFM-030KMS

- Using the second control valve for high speed, high fixing
- Nozzle which is easy resolution & cleaning structure
- Possible to use explosion area
- Possibility of high temperature filling
- Free Roller sticking at the upper part of the scale
- Easy Nozzle top and bottom, left and right adjustment
- Capa: 30kg / Readability: 10g

APPLICATION > Water paint, oil-based paint, oil paint, lubricating oil, phenol, acetone, cooking oil, thinner, varnish, resin, chemicals



Model	CMS2000-350					
Belt width (mm)	100	150	200	250	300	350
Aperture width (mm)	200	250	300	350	400	450
Product weight (kg)	0.4	0.6	1.5	2.0	3.0	6.0
Pass height	Aperture height: ~30mm					
Conveyor length	900/1000/1100mm					
Speed range	10~70m/min					
Rejector type	Belt stop, Flip bar, Pusher, Air blast, Drop down, Swing					
Power requirements	200VAC ±10%, 1 Phase, 50/60Hz					

Auto MAP Machine
CTMAP

- Maintenance of freshness by inert gas exchanging
- SUS body for durability and rustless
- BUSCH pump for better performance
- Mould type for easy to use



Model	CTMAP-S200-2	CTMAP-S200-4	CTMAP-A200-2	CTMAP-A200-4
Max. Tray dimension(mm) (W x D x H)	182 x 234 x 80	182 x 234 x 80	182 x 234 x 80	182 x 234 x 80
Max. Width of Film(mm)	445	445	445	445
Max. Diameter of Film(mm)	255	255	255	255
Packaging speed(times/min)	4 ~ 5	4 ~ 5	4 ~ 6	4 ~ 6
Power	3Ø 380V 50Hz			
Vacuum pump(m³/h)	40	63	63	63
Dimension(mm) (W x D x H)	1000 x 1200 x 1700	1150 x 1250 x 1700	2500 x 950 x 1500	3500 x 950 x 1500
Gas	CO ₂ , O ₂ , N ₂	CO ₂ , O ₂ , N ₂	CO ₂ , O ₂ , N ₂	CO ₂ , O ₂ , N ₂

Hand Sealer
CNT



Hand Sealer
CXP



Model	CNT-200/2	CNT-300/2	CNT-400/2	CXP-200/5
Dimension (mm) (W x D x L)	75 x 200 x 300	75 x 200 x 410	75 x 200 x 510	450 x 380 x 210
Temperature of sealing Max.	150	150	150	150
Sealing time(Sec)	MIN 0.5 - MAX 3	MIN 0.5 - MAX 3	MIN 0.5 - MAX 3	MIN 0.5 - MAX 2.5
Regular sealing time(Sec)	1.5	1.5	1.5	1.5
Length of sealing (mm) (W x L)	2 x 200	2 x 300	2 x 400	2 ~ 5 x 200 ~ 400
Power consumption(W)	310	510	700	950
sealing thickness(mm)	0.5 Below	0.5 Below	0.5 Below	0.5 below
Product weight (kg)	3	3.4	4	3.3
Fuse	3A	4A	5A	
Material for sealing	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC

Vacuum Machine CVP

- Control system: Computer control panel
- Vacuum pump
- Machine lid gemel
- Shake avoiding system
- Main structure's material
- V type lid gasket



Table top vacuum
packaging machine

Model	CVP-260 PD	CVP-350 US	CVP-450/A
Machine dimensions (mm) (L x W x H)	480 x 330 x 320	560 x 425 x 460	560 x 520 x 460
Chamber dimensions (mm) (L x W x H)	385 x 280 x 90(50)	450 x 370 x 220(170)	460 x 450 x 220(170)
Sealer dimensions (mm) (L x W)	260 x 8	350 x 8	450 x 8
Production cycle	1 ~ 2 times/min		

Tray Sealer CTP

- Patented ruthenox heater
- Smart thermostat
- Silk screen printing heater
- Safe film cutting
- Adjustable sealing time
- Light-weighted and sophisticated design

APPLICATION > Cement, steel, fertilizer, feed

Model	CTP-320	CTP-330
Dimensions (mm) (W x D x H)	305 x 350 x 280	405 x 350 x 480
Power	AC 220V, 50/60Hz	
Consumption power	1,400W-1,800W	
Film size (mm)	130/150/160/240	



Hand Wrapper CNW

- SUS body for durability
- Safety by double aluminum covered heater



Model	CNW-460
Dimension(mm) (W x D x L)	470 x 600 x 100
Temperature of H/P	90 C MAX
Temperature of H/C	150 C MAX
Voltage	220V / 50-60Hz
Wrapping length	450mm FILM
Power consumption	175W
Weight(kg)	6
Material for sealing	PE, PVC WRAP FILM

Auto Packing Machine CPK

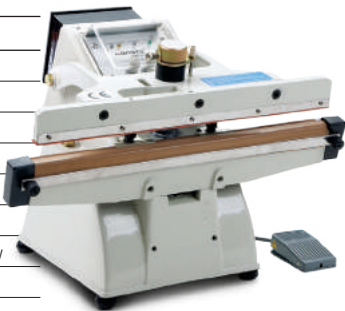
- Weighing product continually by belt conveyor
- Calculating raw material weight, belt speed and indicating flux and accumulation statistics per hour
- Capa : 200kg/h~1,000t/h
- Belt Width: 450 ~ 2,000mm
- Accuracy: 0.25 ~ 1%

APPLICATION > Cement, steel, fertilizer, feed



Foot Sealer (Auto type) CNA

Description	CNA		
Dimension(mm) (W x L x H)	540 x 470 x 440 In Case of PHA-450		
Temperature of sealing	MAX. 150		
Sealing time(Sec)	MIN 0.5 - MAX 2.5		
Regular sealing time	It's different according to the kind of film		
Length of sealing(mm) (W x L)	2 ~ 10 x 200 ~ 800		
Power consumption	950W		
Sealing thickness(mm)	0.5 Below	0.5 Below	0.5 Below
Product weight(kg)	28		
Power lamp/Sealing lamp	With Color		
Material for sealing	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC



Foot Sealer (Semi-auto Type) CNS

- Auto operation by time setting
- Solenoid to lessen a body burden

Description	CNS		
Dimension(mm) (W x L x H)	540 x 470 x 440 In case of NS-450		
Temperature of sealing	150 MAX		
Sealing time(Sec)	MIN 0.5 - MAX 2.5		
Regular sealing time	It's different according to the kind of film		
Length of sealing(mm) (W x L)	2 ~ 10 x 200 ~ 800		
Power consumption(W)	950		
Sealing thickness(mm)	0.5 Below	0.5 Below	0.5 Below
Product Weight(kg)	28		
Power lamp/Sealing lamp	With Color		
Material for sealing	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC	PE, PP, LDPE, PVC



Weighing Controller CI-600A



- High A/D conversion speed (200times/sec)
- High display resolution 1/10,000
- User-friendly interface (4.3" Full Graphic TFT LCD)
- Shielded against electrical noise (RFI & EMI)
- Storing 100 items' information
- USB data backup
- Weight Back-up
- Self-hardware test function
- PC software to manage indicator
- Various communication interfaces
- OIML R76 & R61 approved

OPTION > Analog Out Card (V-out (0-10 V) / I-out (4-20mA)
> RS485/RS422 > BCD Out Card > Printer > Remote display

Weighing Controller CI-600D



- CI-600D for Digital Loadcell
- User-friendly interface (4.3" Full Graphic TFT LCD)
- Self diagnosis of Digital loadCell
- ModBUS-RTU Protocol (RS-485)
- USB data backup
- CI-600 manager program
- Various communication interfaces

OPTION > Analog Out Card (V-out (0-10 V) / I-out (4-20mA)
> RS485/RS422 > BCD Out Card > Printer > Remote display



Product Movie



Display protection cover



USB data backup



PC Software

Indicator CI-400A Series

- Optimized size for efficient use of space
- Terminal block
- Fast and accurate weighing
- High visibility LED display
- Shielded against noise (RFI & EMI)
- Shortcut key setting(F1~F3)
- Applicable to various processes
- Various interfaces

OPTION > RS-422/485(supports Modbus RTU protocol)
> Analog output, BCD In/Output
> Remote display(CD-3000 Series) > Printers



CI-407A



CI-401A



CI-405A

Indicator CI-400AL

- Optimized size for efficient use of space
- Terminal block
- Fast and accurate weighing
- Large and clear LED display(Character Height : 38mm)
- Shielded against noise (RFI & EMI)
- Shortcut key setting
- Various interfaces

OPTION > RS-485(supports Modbus RTU protocol) > Analog output, BCD In/Output
> External 4In/6Outputs(for CI-401AL) > Remote display(CD-3000 Series) > Printers



Indicator CI-170A

- Fast Control
- Accurate Weighing Performance
- Compact DIN Size Body
- Clear LED Display
- High visibility LED display
- Various Interface



OPTION > RS-485 (Supported Modbus RTU) > RTC (Real Time Clock)
 > Analog Output (0~20mA, 0~24mA, 4~20mA, 0~5V, 0~10V, $\pm 5V$, $\pm 10V$)
 > External 2 Input/4 Output > Adaptor (DC 12V, 1.25A)

Indicator CI-150A

- Minimal Size & Clear LED Display
- High speed ADC : 320 times/sec
- Support Modbus RTU Protocol
- Multi-calibration
- Various interfaces(Standard : RS-232C,
Option : RS-485, Analog output, External 2In/4output)
- Weight Back-up



OPTION > RS-485, External 2 Input / 4 Output, RTC (Inner clock)
 Analog output

APPLICATION > Various measuring equipment, Platform scale

Indicator

CI-200A/201A



- Clear display(CI-200A : LED, CI-201A : LCD)
- Number key & function key application
- Various types of power
- Weight back-up
- High speed of A/D conversion(80times/sec.)
- 1/10,000 high resolution
- 4 wire, 6 wire load cells support
(can be connected 8 wire load cell)
- USB Communication(with power)

OPTION > RS-442/485 interface,

Second Serial Communication-Ports, USB port

APPLICATION > Platform scale, Pallet scale,
Forklift scale, Floor scale



Product Movie



CI-200A



CI-201A

Indicator

CI-200S/200SC



- IP67 & stainless steel structure
- Clear LED display
- Number key & function key application
- High speed of A/D conversion (80 times/sec.)
- Rechargeable battery
- Easy removable power & communication
cable through waterproof connector
- Comparing with weight through weight comparing blinker light

OPTION > LCD display, RS-442/485 interface

APPLICATION > Platform scale, Floor scale



CI-200SC



CI-200S

Indicator

CI-2001AN/BN



- Wall-mounted/small indicator
- Watch-Dog circuitry (System restoration)
- Weight Back-Up (Saving of weight at sudden power failure)
- RS-232C interface
- Display: CI-2001AN (LED), CI-2001BN (LCD)
- USB Communication

OPTION > RS-485 interface, Inner Clock(CI-2001BN only)
> USB communication, Panel Guide

APPLICATION > Platform scale



CI-2001AN



CI-2001BN

Bluetooth-Hand Type Indicator

TWN



- Compact size and handheld type
- Selectable communication
(option of choosing between Zigbee or Bluetooth version)
- TFT LCD display with screen visor
- USB communication to PC
- Memory capacity of 100 items & 5,000 recorded weight data
(including date, time and gross weight.)
- Item management and data back-up with TW-Works software

OPTION > Wireless communication (select Zigbee or Bluetooth version)



Indicator PDI



- Suitable for the Checkout scale and weighing system
- Easy operations
- Simple and prompt full digital calibration (automatic weight setup at once)
- Weight backup functions (restoring weight at the power supply On/Off)
- Multiple weights setup functions (5 point input weight setup)
- Command Mode (ECR Protocol)
- 6 line(basic)/4 line load cell Input

OPTION > USB Interface



Indicator PBI

- Economic indicator for 4 L/C Platform Scale
- Pb R/Battery, DC 12V Adaptor
- Display : 6 digits with Backlight (Digit Height = 30mm)
- 6 Pin connector with 0.3m cable (CI-200A Connector)
- RS-232C(RJ-11) as a standard
- Wall-Mount Bracket as a standard
- Power : DC 12V adaptor

OPTION > RS232C converter (RJ11 to D-Sub 9 pin)



Indicator DBI



- Dual range
- Counting & Percentage mode
- Accumulation mode
- Weight Comparison
- Daily total function
- Rechargeable battery

OPTION > Stand bracket, Wall bracket

APPLICATION > Bench scale, Single load cell application



DBI-E



DBI-C

Indicator HDI CE

- Dual display indicator
- Dual range
- Counting & Percentage mode
- Accumulation mode • Weight Comparison
- Daily total function • Rechargeable battery

OPTION > Stand bracket, Wall bracket

APPLICATION > Bench scale, Single load cell application



Indicator EBI OIML CE

- Price computing indicator
- Dual display
- 24 direct PLUs
- 200 Indirect PLUs
- Rechargeable battery
- Daily total function

OPTION > Stand bracket, Wall bracket

APPLICATION > Price computing application, Bench scale



Indicator BI OIML CE

- General (manganese, alkaline) battery or rechargeable battery
- High precision & high resolution
- Waterproof design (IP65)
- Backlight

OPTION > Rechargeable battery, fixing bracket

APPLICATION > Bench Scale



Indicator IE-116 PLUS

- Rechargeable battery
- LED display

OPTION > Rechargeable battery, fixing bracket

APPLICATION > Platform scale, Bench scale, Pallet scale, Floor scale



Indicator CD-3000

- High-resolution display
- Size: 2,3,4 (inch)
- 5 digits LED I Zero, tare, stable lamp
- RS-232C & current loop auto setting

APPLICATION > Truck scale



Explosion Proof Indicator EXI-200AD



- Weighing Indicator for Hazardous area (Zone 1, 2 & 21, 22)
II 2G Ex d IIB+H2 T6 Gb for Gases
- II 2D Ex tb IIIC T80°C Db for Dusts
- ATEX & KCS approval
- Front opening structure
- A/D sampling rate : 320times/sec
- Resolution : 1/10,000
- 7 segment 6digits LED
- Touch Keypad
- A variety of interfaces



OPTION > Analog out > Ethernet > External 2In/4Output > RTC

Explosion Proof Indicator EXI-600AD



- Weighing Indicator for Hazardous area (Zone 1, 2 & 21, 22)
II 2G Ex d IIB+H2 T6 Gb for Gases
- II 2D Ex tb IIIC T80°C Db for Dusts
- ATEX & KCS approval
- Front opening structure
- A/D sampling rate : 200times/sec
- Resolution : 1/10,000
- 4.3" Graphic LCD
- Touch Keypad
- A variety of interfaces

OPTION > Analog out > Ethernet > BCD In/Out
> External 4In/6Output > External 6In/8Output

APPLICATION > Explosion-proof type platform scale, Explosive material weighing



Weight Transmitter

WTM-200/WTM-500



- 7-Segment 6digits LED display (height : 8mm)
- Slim and small structure
- Easy setup by using 4keys(only for WTM-500/501)
- Easy setup of parameter and weighing data analysis via PC software
- High resolution 1/10,000
- High A/D conversion speed : 5~1,600time/sec
- Theoretic calibration
- Multi point calibration
- Various interfaces



WTM-200/201



WTM-500/501



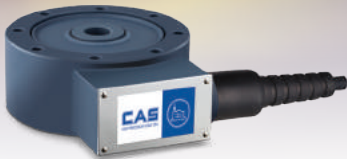
Model		WTM-200	WTM-201	WTM-500	WTM-501
Display & Key		-	-	7 segment 6digits LED(Height : 8mm), 4 function key	
Power		10 - 24VDC			
Excitation Voltage		5VDC			
External resolution(OIML)		1/10,000			
A/D converting speed		5~1,600 times/sec			
Load Cell connection		4-wire or 6-wire(Connection No. 8 at 350ohm)			
Calibration	Through PC software	○	○	○	○
	Through key			○	○
Opearting Temperature		-10~40℃			
Interface	RS-485	○	○	○	○
	Analog Output (0~20mA, 0~24mA, 4~20mA, 0~10V, 0~5V, ±5V, ±10V)		○		○
	External I/O (In/Out : 2/4ea)		○		○
Product Size(W×D×H/mm)		103×126×40			
Options		External 2In/4Output, Analog output, Alibi memory, Ethernet			

Load Cell

Noise Resistance NR-series

- Lightning Protection
- Hermetically sealed
- High Frequency noise protection in Industrial
- Environment(using Inverters or Servo Motor)

APPLICATION > Weighbridge > Hopper, Silo, Tank etc.



LS-NR



LSS-NR



CC/CT-NR



HC-NR



WBK-NR

Model		LS-NR	LSS-NR	CC/CT-NR	HC-NR	WBK-NR
Rated Capacity (kgf)		1K,2K,3K,5K, 10K,20K,30K,50K, 100K,200K,300K	1K,2K,3K,5K, 10K,20K,50K	20,50,100,200, 300,500,1K,2K, 3K,5K,10K,20K	20K,30K,50K, 100K,200K	10K,20K,25K, 30K,50K,100K
Accuracy Class		C3	-	-	-	C3
Combined Error (% R.O)		≤0.02	≤0.03	≤0.02	≤0.15	≤0.02
Creep (% R.O)		≤0.03	≤0.03	≤0.03	≤0.03	≤0.017
Excitation	Recommended (V)	10	10	10	10	10
	Maximum (V)	15	15	15	15	15
Compensated Temperature Range(°C)		-10~+40	-10~+40	-10~+40	-10~+40	-10~+40
Operating Temperature Range(°C)		-20~+80	-20~+80	-20~+80	-20~+80	-40~+80
Material & Plate		Paint Finished Steel	Stainless Steel	Paint Finished Steel	Paint Finished Steel	Stainless Steel
Electrical Character	Over voltage (V. %)	75 AC/DC ±25%				
	RS (M Hz)	80 ~ 1000MHz, 10V/m				
	Surge (kV)	± 2				
Certifications		CE				

Single Ended Shear Beam Load Cell



Model		BC	BCO		BCW	BCL	
Rated Capacity (kgf)		3,5(1.0mV)/6,12,15,30,60,100,150,200(1.2mV)	60,70,150,180,200		60,150	1,2,3,5,6,10,15,20,30,35,50,60,100,150,200	
Accuracy Class		-	D3	C3	D3	D3	C3
Combined Error (% R.O)		≤0.03	≤0.03	≤0.025	≤0.02	≤0.03	≤0.025
Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.017	≤0.017	≤0.03	≤0.017
Excitation	Recommended (V)	10	10		10	10	
	Maximum (V)	15	15		15	15	
Compensated Temperature Range(°C)		-10~+40	-10 ~ +40		-10~+40	-10~+40	
Operating Temperature Range(°C)		-20~+70	-20~+70		-20~+70	-20~+70	
Material & Plate		Anodized Aluminum	Anodized Aluminum		Anodized Aluminum	Anodized Aluminum	

Single Ended Shear Beam Load Cell



Model		BCA		BCD		BCM		BC-F
Rated Capacity (kgf)		5,10,15,20,30,50,75,100		30,50,75,100,150,250,300,500		50,75,100,150,200,300,500,750		300,600
Accuracy Class		D3	C3	-		D3	C3	D3
Combined Error (% R.O)		≤0.03	≤0.02	≤0.03		≤0.03	≤0.02	≤0.03
Creep for 30 min. (% R.O)		≤0.03	≤0.017	≤0.03		≤0.03	≤0.017	≤0.03
Excitation	Recommended (V)	10		10		10		10
	Maximum (V)	15		15		15		15
Compensated Temperature Range(°C)		-10~+40		-10~+40		-10~+40		-10~+40
Operating Temperature Range(°C)		-20~+70		-20~+70		-20~+70		-20~+70
Material & Plate		Anodized Aluminum		Anodized Aluminum		Anodized Aluminum		Anodized Aluminum

Single Ended Shear Beam Load Cell

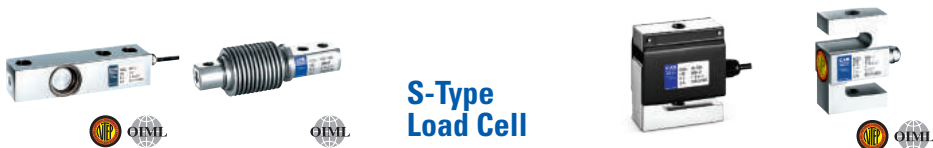


Model		BCH	BCB	BCLS		
Rated Capacity (kgf)		500, 1K, 1.5K, 2K, 2.5K	200,250,300,350,600,700,800,1K	10,15,20,30,50/60,150		
Accuracy Class		-	C3	D3	C3	C4 (except 60,150kg)
Combined Error (% R.O)		≤0.03	≤0.02	≤0.03	≤0.025	≤0.015
Creep for 30 min. (% R.O)		≤0.03	≤0.017	≤0.03	≤0.017	≤0.015
Excitation	Recommended (V)	10	10	10		
	Maximum (V)	15	15	15		
Compensated Temperature Range(°C)		-10~+40	-10~ +40	-10~+40		
Operating Temperature Range(°C)		-20~+70	-20~+70	-20~+70		
Material & Plate		Anodized Aluminum	Anodized Aluminum	Stainless Steel		

Single Ended
Shear Beam
Load Cell



Model		BSH	BS	BSA		BSB
Rated Capacity (kgf)		500,1K,2K,3K,5K	250, 500(1.5mV)/ 1K, 2K, 5K, 10K(2.0mV)	250, 500,1K,2K,3K,5K		250,500,1K,2K,3K,5K,10K
Accuracy Class		-	-	D3	C3	-
Combined Error (% R.O)		≤0.03	≤0.03	≤0.03	≤0.025	≤0.03
Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.03	≤0.017	≤0.03
Excitation	Recommended (V)	10	10	10		10
	Maximum (V)	15	15	15		15
Compensated Temperature Range(°C)		-10~+40	-10~+40	-10~+40		-10~+40
Operating Temperature Range(°C)		-30~+80	-20~+80	-30~+80		-30~+80
Material & Plate		Nickel plated steel	Nickel Plated Steel	Nickel Plated Steel		Nickel Plated Steel



BSS		HBS		Model		SB	SBA	
500,1K,2K,3K,5K		10,20,50,100, 200,300,500,1K,2K		Rated Capacity (kgf)		20,50,75,100,200, 250,500,1K,2K	25,50,100,200,500, 1K,2K,3K,5K	
D3	C3	D3	C3	Accuracy Class		-	D3	C3
≤0.03	≤0.025	≤0.03	≤0.02	Combined Error (% R.O)		≤0.03	≤0.03	≤0.02
≤0.03	≤0.017	≤0.03	≤0.017	Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.017
10		10		Excitation	Recommended (V)	10	10	
15		15			Maximum (V)	15	15	
-10~+40		-10~+40		Compensated Temperature Range(°C)		-10~+40	-10~+40	
-30~+80		-30~+80		Operating Temperature Range(°C)		-30~+80	-30~+80	
Stainless Steel		Stainless Steel		Material & Plate		Anodized Aluminum, Nickel Plated Steel	Nickel Plated Steel	



SBS	Model		LS		LSB	LSC
500,1K,2K,5K	Rated Capacity (kgf)		1K,2K,3K,5K,10K,20K, 30K,50K,100K,200K,300K		20K	2K,5K,10K,20K,50K,100K
-	Accuracy Class		D3	C3	-	-
≤0.05	Combined Error (% R.O)		≤0.05	≤0.02	≤0.03	≤0.05
≤0.03	Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.03	≤0.03
10	Excitation	Recommended (V)	10		10	10
		Maximum (V)	15		15	15
-10~+40	Compensated Temperature Range(°C)		-10~+40		-10~+40	-10~+40
-30~+80	Operating Temperature Range(°C)		-30~+80		-30~+80	-30~+80
Stainless Steel	Material & Plate		Paint Finished Steel		Nickel Plated Steel	Paint Finished Steel



Canister Load Cell



MNT	MNC	NMNC	Model		CC/CT	
50,100,200,500	50,100,200,500,1K,2K,5K,10K,20K	50,100,200,500,1K,2K,3K	Rated Capacity (kgf)		20,50,100,200,300,500,1K,2K,3K,5K,10K,20K	
-	-	-	Accuracy Class		A	B
≤0.15	≤0.15	≤0.5	Combined Error (% R.O)		≤0.02	≤0.05
≤0.1	≤0.03	≤0.5	Creep for 30 min. (% R.O)		≤0.03	≤0.03
10	10	10	Excitation	Recommended (V)	10	
15	15	15		Maximum (V)	15	
-10~+40	-10~+40	-10~+40	Compensated Temperature Range(°C)		-10~+40	
-30~+80	-30~+80	-30~+80	Operating Temperature Range(°C)		-30~+80	
Stainless Steel	Stainless Steel, Paint Steel(5K~20K kgf)	Stainless Steel	Material & Plate		Paint Finished Steel	

Canister Load Cell



Model		CTS		HC	WBK		WBKE
Rated Capacity (kgf)		200,300,500,1K,2K,3K,5K		20K,30K,50K,100K,200K	10K,20K,25K,30K,50K		10K,20K,25K,30K
Accuracy Class		A	B	-	D3	C3	C3
Combined Error (% R.O)		≤0.02	≤0.05	≤0.15	≤0.03	≤0.02	≤0.02
Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.03	≤0.03	≤0.17	≤0.17
Excitation	Recommended (V)	10		10	10		10
	Maximum (V)	15		15	15		15
Compensated Temperature Range(°C)		-10~+40		-10~+40	-10~+40		-10~+40
Operating Temperature Range(°C)		-30~+80		-30~+80	-40~+80		-20~+80
Material & Plate		Stainless Steel		Paint Finished Steel	Stainless Steel		Stainless Steel

Double Ended Shear Beam Load Cell



Model		DES-B	DSB-B	DSB-20	DSB-1	
Rated Capacity (kgf)		5,10,15	10,25,30	20	10,20,25,50,60,75K(klb)	
Accuracy Class		-	-	-	D3	B10 (IIIL10,000m)
Combined Error (% R.O)		≤0.03	≤0.03	≤0.03	≤0.05	≤0.03
Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.03	≤0.05	≤0.02
Excitation	Recommended (V)	10	10	10	10	
	Maximum (V)	15	15	15	15	
Compensated Temperature Range(°C)		-10~+40	-10~+40	-10~+40	-10~+40	
Operating Temperature Range(°C)		-30~+80	-30~+80	-30~+80	-30~+80	
Material & Plate		Plated Steel	Paint Finished Steel	Nickel Plated Steel	Nickel Plated Steel	



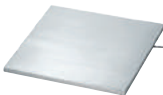
Special Load Cell



DSB2		Model	CHE	SMN	LSW
25,40,75(klb)		Rated Capacity (kgf)	20K,30K,50K,100K,150K,200K	1,2,5(0.5mV)/10,20,30,50,100,200,300,500,1K,2K(1mV)	1K, 2K, 3K, 5K
D3	BIO (III/L10,000m)	Accuracy Class	D3	-	-
≤0.05	≤0.03	Combined Error (% R.O)	≤1.0	≤2.0	≤0.05
≤0.05	≤0.02	Creep for 30 min. (% R.O)	≤0.03	≤1.0	≤0.03
10	Excitation	Recommended (V)	10	10	10
15		Maximum (V)	15	15	15
-10~+40	Compensated Temperature Range(°C)		-10 ~ +40	-10 ~ +40	-10 ~ +40
-30~+80	Operating Temperature Range(°C)		-30 ~ +80	-40 ~ +70	-30 ~ +80
Nickel Plated Steel		Material & Plate	Paint Finished Steel	Stainless steel	Paint Finished Steel



Platform type Load Cell



CPA	MAS	Model		SPL	EPL
500,1K,2K,3K,5K	2,5,10,20,50	Rated Capacity (kgf)		20,50,60,100,200,300,400	50,100,200
D3	-	Accuracy Class		-	-
≤0.14	≤0.5	Combined Error (% R.O)		≤0.05	≤0.1
≤0.03	-	Creep for 30 min. (% R.O)		≤0.03	≤0.1
10	10	Excitation	Recommended (V)	10	10
15	15		Maximum (V)	15	15
-10 ~ +40	-10 ~ +40	Compensated Temperature Range(°C)		-10 ~ +40	-10 ~ +40
-40 ~ +70	-	Operating Temperature Range(°C)		-30 ~ +80	-30 ~ +80
Nickel Plated Steel	Anodized Aluminum	Material & Plate		Zinc Plated Steel, Stainless Steel Cover	Stainless Steel Cover

Explosion Proof Load Cell

- Intrinsic Safety(EX ia IIC T4)
- ☒ Flame proof enclosure(EX d IIC T4)
- ★ Dust ignition proof(EX tD A21 T135 °C IP66)



Low Capa



High Capa



BSS-EXP

BSS-EXP-D



Model		BCA-EXP		BCEP-EXP-D				BSS-EXP-D	
Rated Capacity (kgf)		5,6,10,15,20,30,50,60,75,100		10,20,50		100,200,300		500,1K,2K,3K,5K	
Accuracy Class		D3	C3	D3	C3	D3	C3	D3	C3
Combined Error (% R.O)		≤0.03	≤0.02	≤0.03	≤0.02	≤0.03	≤0.02	≤0.03	≤0.025
Creep for 30 min. (% R.O)		≤0.03	≤0.017	≤0.03	≤0.017	≤0.03	≤0.017	≤0.03	≤0.017
Excitation	Recommended (V)	10		10				10	
	Maximum (V)	28		28				15	
Compensated Temperature Range(°C)		-10 ~ +40		-10 ~ +40				-10~+40	
Operating Temperature Range(°C)		-30 ~ +80		-30 ~ +80				-30~+80	
Material & Plate		Anodized Aluminum		Stainless Steel, Buffing				Stainless Steel	
Explosion proof (ia :O/d : ☒ / tD : ★)		○		BCEP-EXP : ○ BCEP-EXP-D : ☒ , ★				BSS-EXP:○ BSS-EXP-D: ☒ , ★	

Explosion
Proof
Load Cell

- Intrinsic Safety(Ex ia IIC T4)
- Flame proof enclosure(Ex d IIC T4)
- ★ Dust ignition proof(Ex tD A21 T135 °C IP66)



Model		SBS-EXP-D	LS-EXP-D		LSS-EXP-D
Rated Capacity (kgf)		500,1K,2K,5K	1K,2K,3K,5K,10K,20K,30K,50K 100K,200K		1K,2K,3K,5K,10K, 20K,30K,50K
Accuracy Class		-	D3	C3	-
Combined Error (% R.O)		≤0.05	≤0.05	≤0.02	≤0.03
Creep for 30 min. (% R.O)		≤0.03	≤0.03	≤0.03	≤0.03
Excitation	Recommended (V)	10	10		10
	Maximum (V)	15	15		15
Compensated Temperature Range(°C)		-10~+40	-10~+40		-10~+40
Operating Temperature Range(°C)		-30~+80	-30~+80		-30~+80
Material & Plate		Stainless Steel	Paint Finished Steel		Stainless Steel
Explosion proof (ia:○/d:□/tD:★)		SBS-EXP:○/SBS-EXP-D:□, ★	LS-EXP:○/LS-EXP-D:□, ★(1~50K kgf)		LSS-EXP:○/LSS-EXP-D:□, ★

Explosion
Proof
Load Cell

- Intrinsic Safety(Ex ia IIC T4)
- Flame proof enclosure(Ex ia IIC T4)
- ★ Dust ignition proof(Ex tD A21 T135 °C IP66)



Model		BCD-EXP	HBS-EXP		CTS-EXP		WBK-EXP-D	
Rated Capacity (kgf)		75,100,150, 250,300,500	10,20,50,100, 200,250,500		200,300,500, 1K,2K,3K,5K		10K,25K,30K,50K	
Accuracy Class		-	D3	C3	D3	C3	D3	C3
Combined Error (% R.O)		≤ 0.03	≤0.03	≤0.02	≤0.05	≤0.02	≤0.03	≤0.02
Creep for 30 min. (% R.O)		≤ 0.03	≤0.03	≤0.017	≤0.03	≤0.03	≤0.03	≤0.017
Excitation	Recommended (V)	10	10		10		10	
	Maximum (V)	28	15		15		15	
Compensated Temperature Range(°C)		-10 ~ +40	-10~+40		-10 ~ +40		-10~+40	
Operating Temperature Range(°C)		-30 ~ +80	-30~+80		-30 ~ +80		-40~+70	
Material & Plate		Anodized Aluminum	Stainless Steel		Stainless Steel		Stainless Steel	
Explosion proof(ia:○/d:□/tD:★)		○	○		CTS-EXP:○ / CTS-EXP-D:□, ★		WBK-EXP:○ /WBK-EXP-D:□, ★	

Digital
Load Cell



Model		WBK-D	DSB-D
Rated Capacity (kgf)		10K,20K,25K,30K	10K,20K,25K,30K
Accuracy Class		-	-
Combined Error (% R.O)		<0.015	<0.015
Creep for 30 min. (% R.O)		<0.017	<0.017
Excitation	Recommended (V)	9	9
	Maximum (V)	24	24
Compensated Temperature Range(°C)		-10~+40	-10~+40
Operating Temperature Range(°C)		-40~+70	-20~+70
Material & Plate		Stainless Steel	Nickel Plated Steel

Printer



Model	BP-DT-4	BP-1100 ^{PLUS}	CLK-B10/B20	CLK-T41
Print method	Direct thermal	Direct thermal/ Thermal Transfer	Direct thermal/ Thermal Transfer	Direct thermal
Print Speed	100mm/sec	100mm/sec	102 or 152mm/sec	140mm/sec
Resolution	203dpi	203dpi	203dpi	203dpi
Print Width(mm)	108	108	104	56
Paper Width(mm)	118	118	18~118	59
Roll diameter(mm)	127	127	127/200	60
Dimension (mm) (W x D x H)	168 x 218 x 166	226 x 285 x 171	215 x 287 x 231	119(W)x181(D)x106(H)
Weight (kg)	1.5	2.72	3.6	1.7
Power	AC100~240V / DC24V 2.5A	AC100~240V/50~60Hz	AC100~240V / DC24V 2.5A/24V 2.92A	AC100~240V/DC24V 2.5A
Memory	Flash 4MB, SDRAM 8MB	Flash 4MB, SDRAM 8MB	Flash 2.5/ 5MB/ SDRAM 8MB	Flash 2MB
Interface	Serial, USB	Serial, Parallel, USB	Serial, Parallel, USB	-



Model	DEP/DLP-50	CP-7020	CP-7100	CP-7200
Print method	Direct thermal	Dot/Thermal	Dot/Thermal	Dot/Thermal
Print Speed	50mm/sec	46CPS	25mm/sec	25mm/sec
Resolution	203dpi	-	-	-
Print Width(mm)	48	40,30COLUMNS	40,36,30,24COLUMNS	24COLUMNS
Paper Width(mm)	-	57	57	57
Roll diameter(mm)	-	50	50	50
Dimension (mm) (W x D x H)	106(W)x180(D)x88(H)	175(W)x165(D)x105(H)	122(W)x79(D)x135(H)	110(W)x167(D)x87(H)
Weight (kg)	0.4	2	0.56	0.53
Power	DC 12V	AC100~240V	DC12V(1.6A) / DC5V(2.5A)	DC12V(1.6A) / DC5V(2.5A)
Memory	-	SDRM 8MB	-	-
Interface	Serial	Serial	Serial, Parallel	Serial, Parallel



Model	B-EV4D	B-452
Print method	Direct Thermal	Direct thermal/Thermal Transfer
Print Speed(mm/sec)	Max127.0	50.8~101.6 (2~4")
Resolution(dpi)	200	300
Print Width(mm)	108	50.8~101.6(2~4")
Memory	Flash ROM 4MB, DRAM 8MB	Flash ROM 16MB, D-RAM 16MB
Interface	Serial, Parallel, USB, LAN	Parallel, USB, LAN (Serial)
Options	B-EV204-F-QM-R (Swing Cutter Module) B-EV904-H-QM-R (Strip Module)	B-7204-QM (Cutter Module) B-7904-H-QM (Strip Module) B-7704-RS-QM (Serial interface Board)



Model	B-SA4TM-GS12	B-SA4TM-TS12	B-SX4T	B-SX5T
Print method	Direct thermal/Thermal Transfer		Direct thermal/Thermal Transfer	
Print Speed(mm/sec)	50.8~152.4 (2~6")		76.2~254 (3~10")	76.2~203.2 (3~8")
Resolution(dpi)	203dpi	300dpi	203dpi	306dpi
Print Width(mm)	104	105.7	104	127.5
Memory	Flash ROM 16MB, D-RAM 16MB		Flash ROM 4MB, DRAM 8MB	Flash ROM 4MB, DRAM 16MB
Interface	USB, Parallel, LAN (*serial, W-LAN)		serial, Parallel, Expansion I/O(*USB, LAN)	
Options	B-SA204-QM-R (Cutter Module) B-SV904-H-QM-R (Strip module) B-SA704-RS-QM-R (Serial Interface Board) B-SA704-WLAN-QM (Wireless LAN Board)		B-4205-QM (Swing Cutter Module) B-8204-QM (Rotary Cutter module) B-9904-H-QM (Strip Module) B-9700-PCM-QM (PCMCIA Interface Board) B-9700-LAN-QM (LAN Interface Board) B-9700-USB-QM (USB Interface Board)	



Software

Software Mart System

- Supporting mart system in a varied form:
headquarter integrated system, store-unit system, etc.
- Customizing to each mart system
- Consulting for system introduction

Model	Mart System
Supported devices	Label Printing Scales
Supported operating systems	Windows, Unix
Communication Module	TCP/IP



CL-Mart

Data editing, transporting



CL-Mart Web

Data editing, transporting



Scheduler

Schedule data transport,
collect sales result



Communication module

(DLL, OXC) fordevelopment



Label Editor Pro



Software CL-Works Pro

- Managing information – scale's PLU, store information, keypad, etc.
- Sending scale data through a network at a time
- Saving and printing account details in database

Model	CL-Works
Supporting Instrument	CL3000, 5000, 5200, 5200J, 5500, 7200
Supported operating systems	Windows
Communication Protocols	RS-232C, TCP/IP

Software ES-Works

- ER^{PLUS}, EB PLU management function
- Support PLU Excel Import/Export
- Login function
- Weight value handling function (IM-Works) by interlocking PC

Model	ES-Works
Supporting Instrument	ER ^{PLUS} , EB
Supported operating systems	Windows, Unix
Communication condition	RS-232C

Weight value handling function



Software iM-Works^{PRO}

- Weighing data management by connecting scale and PC
- Saving and opening weighing data
- Printing weighing data by connecting various label printers(Only for iM-Works Pro)
- Export data as a Excel file
- User account management



Model	iM-Works
Supporting Instrument	Indicator, DB-II, ER Plus, EB, SW, MWP, ED-H, EC, AD, CUX/CUW, XB, TW-100, X320, CCK5500, MW-IIN, EC-D, XE, (Support printer: TOSHIBA TEC, DLP, BP Series)
Supported operating systems	Windows XP
Communication Protocols	RS-232C



► Mode value setting possible



► Real time graph possible



► Printing weighing data and statistics



Software ID-Works

- Only for Indicator
- Indicator mode value set-up function (more than 70 value set-up possible: date, time, weight, conversion speed)
- Weighing value by using flash animation
- Supports real time graph and saving function
- Simple to save and call items

Model	ID-Works
Supporting Instrument	Indicator (Supports some functions of NT-500, NT-570, CI-8000. Only in case, ROM is fully updated)
Supported operating systems	Windows XP
Communication condition	RS-232C

Software NT-Works

- Communicating with several indicator available (1 through 15 user random choose available)
- Pass / fail fuction by setting upper and lower limit
- Each weighing result is saving each excel sheet

Model	NT-Works
Supporting Instrument	CAS Indicator (Maximum of 15 connections)
Supported operating systems	Windows XP
Communication Protocols	RS-232C

► Connect to indicators via serial multi-port (RS-232C communication)



► Printing excel data



Software RW-Works

- Truck overload controlling program
- Weighing each axis, up to 8 axis.
- Issue ticket print linkage weighing information
- Weighing breakdown database saving search function

Model	RW-Works
Supporting Instrument	RW2601P
Supported operating systems	Windows XP
Communication condition	RS-232C

▶ Connected to RW-2601P



▶ Search data



▶ See the reports



Software TS-Works

- PC program for Truck Scale
- Issue ticket print linkage weighing information
- Customers & products register function
- Certification issue function
- Function which is available to report by date, vehicle, customer and product

Model	TS-Works
Supporting Instrument	RW2601P, Indicator
Supported operating systems	Windows XP
Communication condition	RS-232C

Software DP-Works

- Server configuration with client
- Sending production activities of multiple clients to server with weight
- Managing the data received from data in database
- Supporting external display
- Indicating status and ranking

Model	DP-Works
Supporting Instrument	CAS Indicator
Supported operating systems	Windows XP
Communication Protocols	RS-232C, TCP/IP



▶ Screen shot of ranking data list



Software BK-Works

- Combining user's favorable functions to compose a program (Widgets on dash board)
- Providing widget with a diverse function-Measuring list, logo, user account, graph, print-out, etc.

Model	BK-Works
Supporting Instrument	CAS Indicator, CAS Balance
Supported operating systems	Windows 7
Communication Protocols	RS-232C, TCP/IP

► Background image applicable



► Providing widget with a diverse function



► Screen shot of details of each device



Software SC-Works

- Checking the bound-pair of weight data and managing the data
- Supporting for connections up to 24
- Supporting various communication methods : 1:1 connection, 1:N connection (Command Type)
- Output for each equipment: maximum, minimum, mean, standard deviation, upper/lowest number, normal number

Model	SC-Works
Supporting Instrument	CAS Indicator, CAS Balance
Supported operating systems	Windows XP
Communication Protocols	RS-232C

Software GP-Works

- Finding weight data progress in a graph form
- Supporting for connections up to 8
- Output for each equipment – maximum, minimum, mean, standard deviation
- Customized (individually) setting for chart type and color

Model	GP-Works
Supporting Instrument	CAS Indicator, CAS Balance
Supported operating systems	Windows XP
Communication Protocols	RS-232C

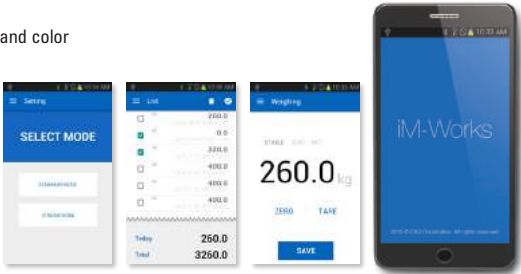
► Dual View



Software iM-Works for Android

- Displays device code of industrial bluetooth
- Data sharing by email after saving data and exporting CSV
- Disconnect the TWN from the scale in order to use
(Automatically disconnected while moving the scale)type and color

Model	iM-Works for Android
Supporting Instrument	CASTON, TM
Supported operating systems	Android 4.1.2
Communication Protocols	RS-232C



Software MixPlus

- Ingredient mixing program
- Managing ingredients information DB
- Check and save measurement data
- Data backup and restore function

Model	MixPlus
Supporting Instrument	CAS Indicator
Supported operating systems	Windows XP
Communication Protocols	RS-232C



Software COG

- Weighing 1~16 points
- Calculating center of the material by measuring weights
- Save weighing data to Access data
- Exporting data to excel sheetr

Model	COG
Supporting Instrument	Custom-made product
Supported operating systems	Windows XP
Communication condition	Zigbee



► COG Wireless Load Cell



MEASURING PRODUCTS

CAS Galileo, CAS's brand specializing in precision instruments, seeks comprehensive precision measurement solutions around the world.

Entry-level Electronic Density Meter CD-V1

- Standard Hydrometer
- Ease of Use, Intuitive display
- Sturdy wind shield and aluminum determination kit
- Max. Capacity: 610g / Resolution: 0.01g
- Density Resolution: 0.01g / cm³
- Display: LCD Display
- Density indication: Solid, liquid, powder, absorbent, gold
- RS-232C Output
- Overload Alert
- Power Adapter: AC 110V-240V
- Connected to Printer



Mid-level Electronic Density Meter CD-V2

- Standard Hydrometer
- Ease of Use, Intuitive display
- Sturdy wind shield and aluminum determination kit
- Max. Capacity: 210g / Resolution: 0.001g
- Density Resolution: 0.001g / cm³
- Display: LCD Display
- Density Indication: Solid, liquid, powder, absorbent, gold
- RS-232C Output
- Overload Alert
- Power Adapter: AC 110V-240V
- Connected to Printer



Advanced-level Electronic Density Meter CD-V3

- Ease of Use, Internal Weight Calibration System, Fast Response
- Automatic Calibration by time setting
- Electro magnetic sensor, Intuitive display
- Sturdy wind shield and aluminum determination kit
- Max. Capacity: 220g / Resolution: 0.0001g
- Selectable Unit: g, mg
- Density Resolution: 0.0001g / cm³
- Display: 5" touch screen with counting, % function
- Density indication : Solid, Liquid
- RS-232C Output
- Overload Alert
- Power Adapter: AC 110V-240V
- Connected to Printer



Pocket pH Tester PM-1

- Suitable for measuring the pH of aqueous solutions
- Accurate measuring by micro-processor
- Automatic temperature compensation within 0-60°C
- 2 points calibration with auto-buffer recognition
- Replaceable electrode module
- Auto Power-off function for saving battery
- Hold Function for easy writing and recording



Portable pH Meter PM-2

- 1-3 points calibration with auto-buffer recognition for USA and NIST buffers
- Automatic electrode diagnosis
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint.
- Memory that stores up to 100 data sets



Benchtop pH Meter PM-3

- 1-3 points calibration with auto-buffer recognition for USA and NIST buffers
- Automatic electrode diagnosis
- Automatic temperature compensation ensures accurate readings over the entire range
- Auto-Read function senses and locks the measurement endpoint.



Benchtop Conductivity Meter CM-3

- 1 to 3 points calibration with automatic recognition for conductivity standards.
- Automatic temperature compensation corrects conductivity measurement to reference temperature.
- Auto-Read function senses and locks the measurement endpoint.
- Setup menu allows setting the number of calibration points, cell constant, temperature coefficient, auto-power off, etc.
- Replaceable electrode module
- Reset function automatically resumes all settings back to the factory defaults.



Portable Dissolved Oxygen Meter DM-2

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Salinity and barometric pressure compensations eliminate the measurement error.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Auto-Read function senses and locks the measurement endpoint.
- Auto-Power Off effectively conserves battery life.
- Setup menu allows setting the number of calibration points, temperature unit, etc.
- Reset function automatically resumes all settings back to the factory defaults.
- Expanded memory stores or recalls up to 100 data sets.
- USB communication interface for data transfer or connecting a power adapter to meter.





World Class Weighing Solution



At 1987, CAS started to export to Portugal and grew up global brand through aggressive market expansion.

CAS has been the global corporation with gaining weighing certification of various countries and dealers who have good partnership.

CAS will support the customers' business through total weighing solution and be customers' partner that customers recognize.

Globalcas



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Specifications are subject to change without notice improvement.

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