

MAS

Multi-axis Load Cell (2axis, 3axis)



One

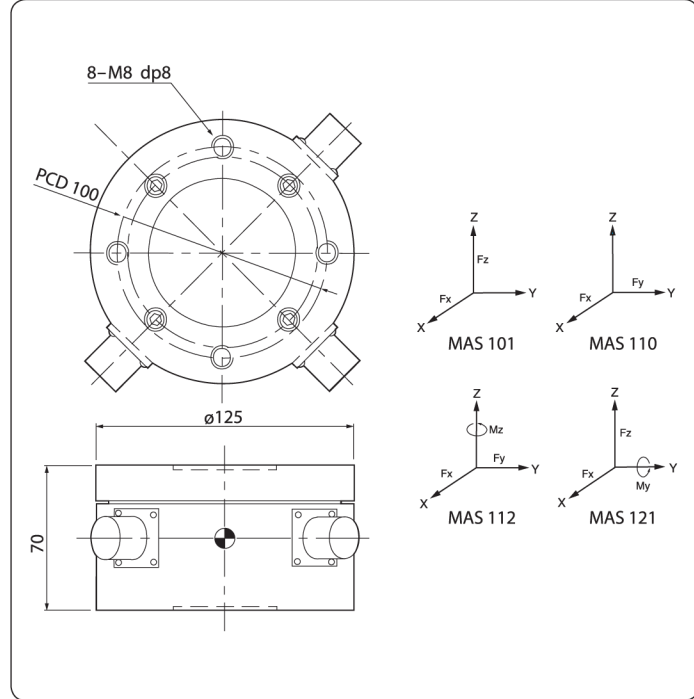
LOAD CELL



FEATURES

- Various capacity of detecting up to 6 components
- Minimise interaction between components
- High accuracy less than 0.5% on each components
- All products patent pending
- Order made (capacity, size)

DIMENSION



Type		Rate Load (Allowable Moment)						
		Fx (kg)	Fy (kg)	Fz (kg)	Mx (kg x m)	My (kg x m)	Mz (kg x m)	
2AXIS	MAS101	2L	2	(5)	2	(0.5)	(0.3)	(0.3)
		5L	5	(12.5)	5	(1.25)	(0.75)	(0.75)
		10L	10	(25)	10	(2.5)	(1.5)	(1.5)
		20L	20	(50)	20	(5)	(3)	(3)
	MAS110	50L	50	(80)	50	(8)	(7.5)	(7.5)
		2L	2	2	(5)	(0.5)	(0.5)	(0.3)
		5L	5	5	(12.5)	(1.25)	(1.25)	(0.75)
		10L	10	10	(25)	(2.5)	(2.5)	(1.5)
		20L	20	20	(50)	(5)	(5)	(3)
50L	50	50	(80)	(8)	(8)	(7.5)		

Type		Rate Load (Allowable Moment)						
		Fx (kg)	Fy (kg)	Fz (kg)	Mx (kg x m)	My (kg x m)	Mz (kg x m)	
3AXIS	MAS112	2L	2	2	(5)	(0.5)	(0.5)	0.2
		5L	5	5	(12.5)	(1.25)	(1.25)	0.5
		10L	10	10	(25)	(2.5)	(2.5)	1
		20L	20	20	(50)	(5)	(5)	2
		50L	50	50	(80)	(8)	(8)	5
		2L	2	(5)	2	(0.5)	0.2	(0.3)
	MAS121	5L	5	(12.5)	5	(1.25)	0.5	(0.75)
		10L	10	(25)	10	(2.5)	1	(1.5)
		20L	20	(50)	20	(5)	2	(3)
		50L	50	(80)	50	(8)	5	(7.5)

SPECIFICATION

Capacity		kgf	2, 5, 10, 20, 50
Rated Output		mV / V	0.5 ± 0.005
Zero Balance		mV / V	0.0 ± 0.02
Accuracy Class		-	-
Non-Linearity		% R.O.	$\leq 0.5\%$ FS for each component force
Hysteresis		% R.O.	$\leq 0.5\%$ FS for each component force
Combined Error		% R.O.	$\leq 0.5\%$ FS for each component force
Temperature Effect on	-Zero Value -Output Value	%/10°C %/10°C	$\pm 0.01\%$ FS/for each component force $\pm 0.06\%$ FS/for each component force
Excitation	-Recommended -Maximum	V V	10 15
Resistance	-Input -Output -Insulation	Ω Ω M Ω	350 ± 3.5 350 ± 3.5 >2000
Material & Plate		-	Anodized Aluminum
Cable Specification		-	$\phi 5.4 \times 4P \times 5.12M$ (Urethane)
Safety Overload		% R.L.	150% FS for each component force