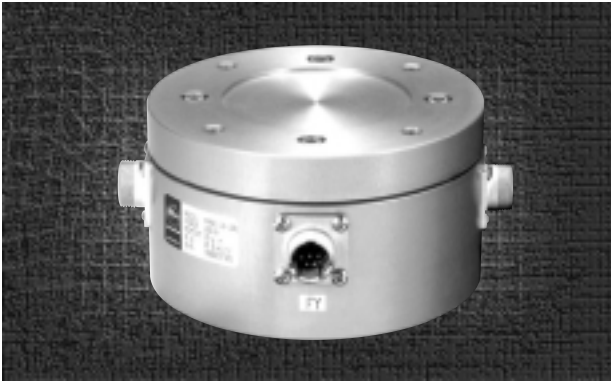


# MAS Multi-axis load cell(2axis, 3axis)



## FEATURES

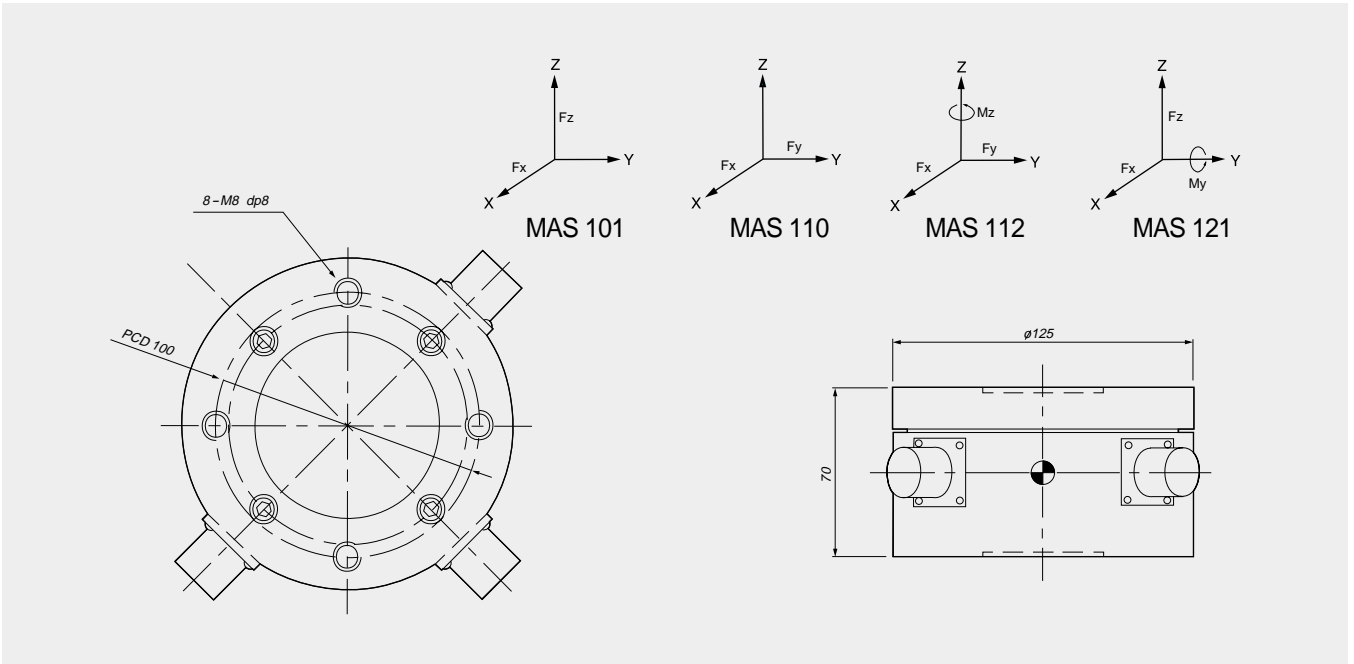
- Various capacity of detecting up to 6 components
- Minimize interaction between components
- High accuracy less than 0.5% on each component
- All products patent pending

Rated output	approx. $1000 \times 10^{-6}$ strain (0.5mV/V)
Nonlinearity	$\pm 0.5\%$ FS for each component force
Hysteresis	$\pm 0.5\%$ FS for each component force
Allowable over load	$\pm 150\%$ FS for each component force
Degree of interference (for rated load, allowable moment)	Between components of force measure : $\pm 3\%$ FS/FS By other components of force : $\pm 3\%$ FS/FS
Influence of temperature on zero point	$\pm 0.01\%$ FS/°C for each component force
Influence of temperature on sensitivity	$\pm 0.06\%$ FS/°C for each component force

TYPE		RATED LOAD(Allowable Load-Allowable Moment)						
		Fx(kg)	Fy(kg)	Fz(kg)	Mx (kg × m)	My (kg × m)	Mz (kg × m)	
2 A X I S	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)
		50L	50	(80)	50	(8)	(7.5)	(7.5)
	MAS110	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		RATED LOAD(Allowable Load-Allowable Moment)						
		Fx(kg)	Fy(kg)	Fz(kg)	Mx (kg × m)	My (kg × m)	Mz (kg × m)	
3 A X I S	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
	MAS121	2L	2	(5)	2	(0.5)	0.2	(0.3)
		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)

## DIMENSIONS



# MAS Multi-axis load cell(5axis, 6axis)



## FEATURES

- Various capacity of detecting up to 6 components
- Minimize interaction between components
- High accuracy less than 0.5% on each component
- All products patent pending

Rated output	approx. $1000 \times 10^{-6}$ strain (0.5mV/V)
Nonlinearity	$\pm 0.5\%$ FS for each component force
Hysteresis	$\pm 0.5\%$ FS for each component force
Allowable over load	$\pm 150\%$ FS for each component force
Degree of interference (for rated load, allowable moment)	Between components of force measure : $\pm 3\%$ FS/FS By other components of force : $\pm 3\%$ FS/FS
Influence of temperature on zero point	$\pm 0.01\%$ FS/°C for each component force
Influence of temperature on sensitivity	$\pm 0.06\%$ FS/°C for each component force

TYPE		RATED LOAD(Allowable Load-Allowable Moment)						
		Fx(kg)	Fy(kg)	Fz(kg)	Mx (kg × m)	My (kg × m)	Mz (kg × m)	
5 A X I S	MAS332	2L	2	2	(3)	0.2	0.2	0.2
		5L	5	5	(7.5)	0.5	0.5	0.5
		10L	10	10	(15)	1	1	1
		20L	20	20	(30)	2	2	2
		50L	50	50	(75)	5	5	5

TYPE		RATED LOAD(Allowable Load-Allowable Moment)						
		Fx(kg)	Fy(kg)	Fz(kg)	Mx (kg × m)	My (kg × m)	Mz (kg × m)	
6 A X I S	MAS333	2L	2	2	2	0.2	0.2	0.2
		5L	5	5	5	0.5	0.5	0.5
		10L	10	10	10	1	1	1
		20L	20	20	20	2	2	2
		50L	50	50	50	5	5	5

## DIMENSIONS

