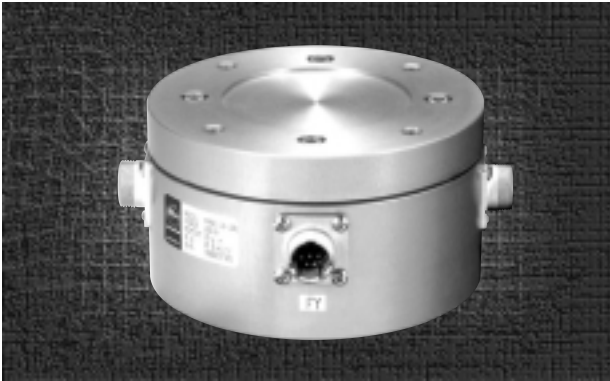


MAS-CK Multi-axis load cell(2axis, 3axis)



MAS101-XXXCK

Capacity(kgf) or (N) or (tf)
 Fz(1:Select ,0:Non Select)
 Fy(1:Select ,0:Non Select)
 Fx(1:Select ,0:Non Select)

FEATURES

- Various capacity of detecting up to 4
 - components Minimize interaction between
 - components
 - High accuracy less than 0.1% on each component
- All products patent pending

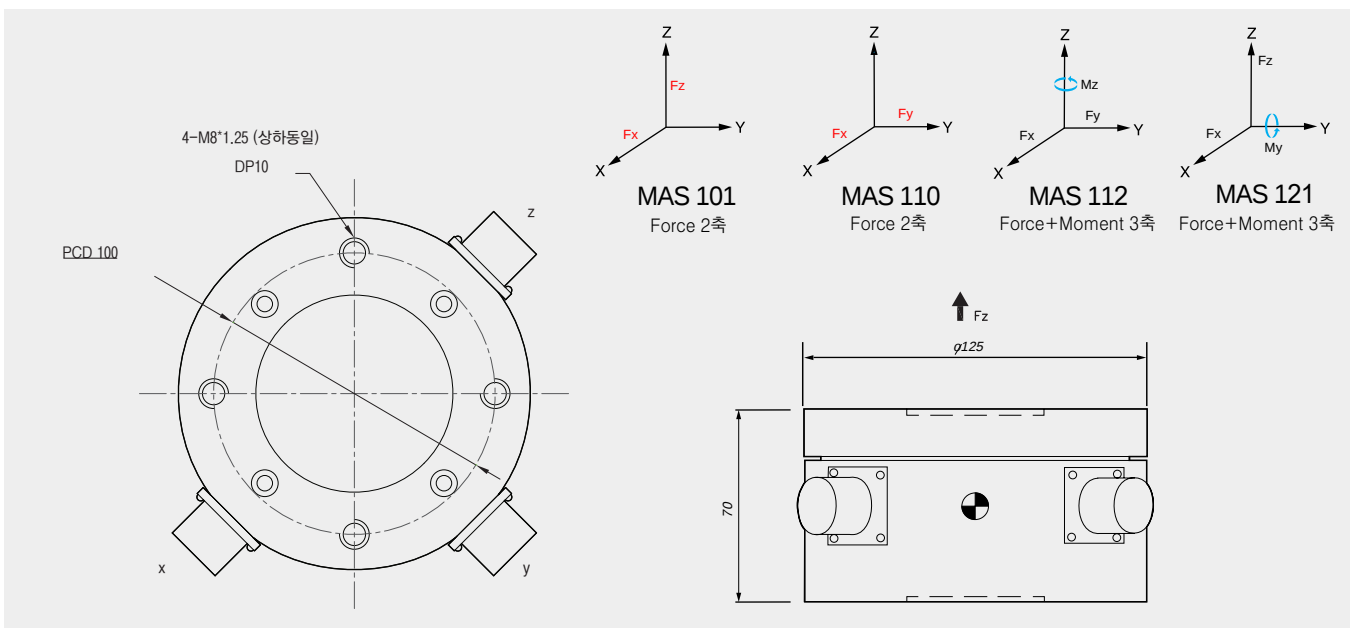
Rated output	approx. 1000×10^{-6} strain(0.5~2mV/V)
Nonlinearity	$\pm 0.1\%$ FS for each component force
Hysteresis	$\pm 0.1\%$ FS for each component force
Allowable over load	$\pm 150\%$ FS for each component force
Degree of interference (for rated load, allowable moment)	Between components of force measure : $\pm 3\%$ FS By other components of force : $\pm 3\%$ FS/
Influence of temperature on zero point	$\pm 0.1\%$ FS/°C for each component force
Influence of temperature on sensitivity	$\pm 0.1\%$ FS/°C for each component force

Type			Rated Load(Allowable Moment)					
			Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*m)	My (kgf*m)	Mz (kgf*m)
2AXIS	MAS101	2L	2	-	2	-	-	-
		5L	5	-	5	-	-	-
		10L	10	-	10	-	-	-
		20L	20	-	20	-	-	-
		50L	50	-	50	-	-	-
	MAS110	2L	2	2	-	-	-	-
		5L	5	5	-	-	-	-
		10L	10	10	-	-	-	-
		20L	20	20	-	-	-	-
		50L	50	50	-	-	-	-

Type			Rated Load(Allowable Moment)					
			Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*m)	My (kgf*m)	Mz (kgf*m)
3AXIS	MAS112	2L	2	2	-	-	-	0.2
		5L	5	5	-	-	-	0.5
		10L	10	10	-	-	-	1
		20L	20	20	-	-	-	2
		50L	50	50	-	-	-	5
	MAS121	2L	2	-	2	-	0.2	-
		5L	5	-	5	-	0.5	-
		10L	10	-	10	-	1	-
		20L	20	-	20	-	2	-
		50L	50	-	50	-	5	-

* MAS111 은 아래 $\phi 165$ 도면 참조하세요

DIMENSIONS



MAS-CK Multi-axis load cell(3axis~6axis)



MAS302-XXXCK

Capacity(kgf) or (N) or (tf)
 0 : NONE, 1: Fz 2: Mz 3: Fz+Mz
 0 : NONE, 1: Fy 2: My 3: Fy+My
 0 : NONE, 1: Fx , 2: Mx , 3: Fx+Mx

FEATURES

- Various capacity of detecting up to 6 components
- Minimize interaction between components
- High accuracy less than 0.1% on each component
- All products patent pending

Rated output	approx. 1000 ×10 ⁻⁶ strain(0.5~2mV/V)
Nonlinearity	± 0.1% FS for each component force
Hysteresis	± 0.1% FS for each component force
Allowable over load	±150% FS for each component force
Degree of interference (for rated load, allowable moment)	Between components of force measure : ±3% FS By other components of force : ±3% FS/
Influence of temperature on zero point	± 0.1% FS/°C for each component force
Influence of temperature on sensitivity	± 0.1% FS/°C for each component force

EX) MAS302-500LCK (Fx=500kgf Mx=50kgf*m, Fy=None, Mz=50kgf*m)

TYPE			RATED LOAD(Allowable Load-Allowable Moment)					
			Fx(kgf)	Fy(kgf)	Fz(kgf)	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(kgf)	Fy(kgf)	Fz(kgf)	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

TYPE			RATED LOAD(Allowable Load-Allowable Moment)					
			Fx(kgf)	Fy(kgf)	Fz(kgf)	Mx (kg ×m)	My (kg ×m)	Mz (kg ×m)
4 A X I S	MAS312	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(kgf)	Fy(kgf)	Fz(kgf)	Mx (kg ×m)	My (kg ×m)	Mz (kg ×m)
4 A X I S	MAS123	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

100kg 이상 Capacity는 LMAS를 사용하세요

DIMENSIONS

