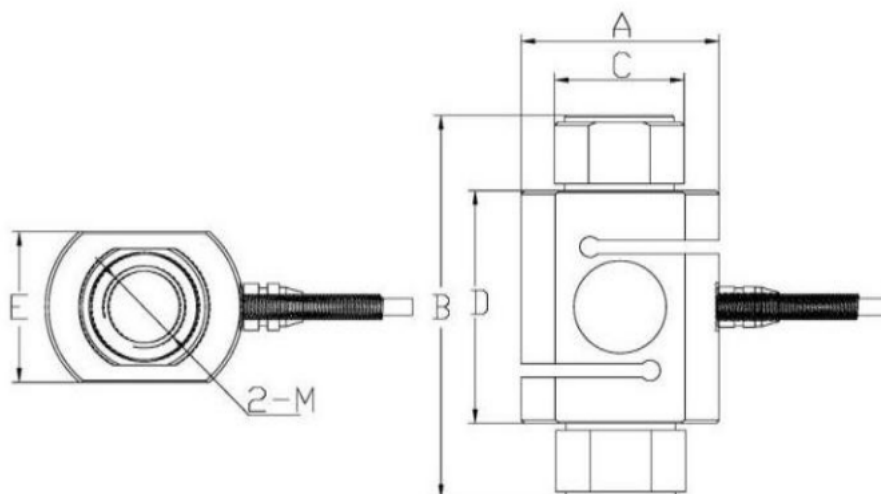


Tension and Compression Load Cell ME-8410



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 1 kN to 100 kN;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ S structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance



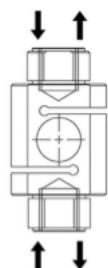
Range	ØA	B	ØC	D	E	M
1 kN to 7 kN	44	88	28	56	26	M16 × 1.5
10 kN to 50 kN	58	112	38	68	44	M24 × 1.5
100 kN	84	160	60	103	58	M36 × 4

Technical parameters:

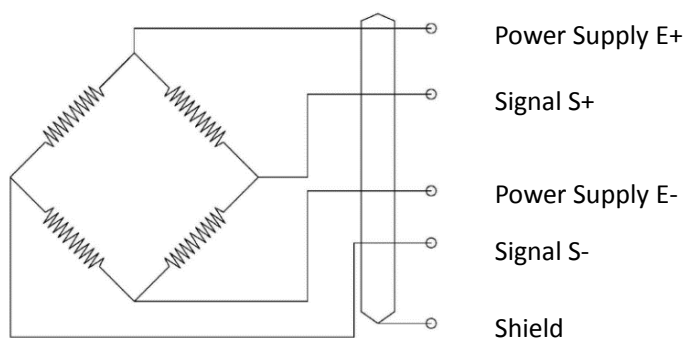
Measuring range:	0 ~ (1 kN to 100 kN) (100 kg to 10 ton)	Material:	Alloy steel
Accuracy:	0.03 % FSO	Rated output:	2.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 5 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.03 % FSO	Operating temperature range:	- 20 ~ 80 °C
Repeatability:	0.03 % FSO	Insulation:	≥ 5000 MΩ / 100 VDC
Input impedance:	350 (700) ± 5 Ω	Output impedance:	350 (700) ± 5 Ω
Creep (30 min):	0.01 % FSO	Temperature effect on output:	0.05 % FSO / 10 °C
Zero balance:	± 2 % FSO	Temperature effect on zero:	0.05 % FSO / 10 °C
Safe load limit:	150 %	Ultimate load limit:	200 %
Cable size:	Ø 5 x 3m	Life time:	Full scale more than 1 million times
Wire connection:	Power supply E+: Red; Power supply E-: Black; Signal S+: Green; Signal S-: White		

Loading mode:

Force direction



Wiring diagram:



Order Instruction:

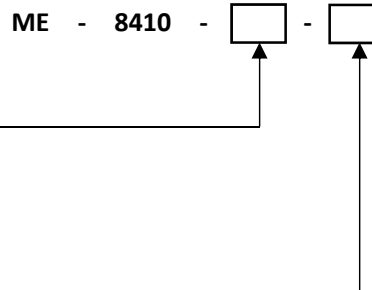
Load Cell

Measuring Range (kN)

1	2	5	10	20	50	100
1K	2K	5K	10K	20K	50K	100K

Cable Length (m)

3 meter length	5 meter length
L3	L5



* Dimension and measuring range can be customized by request.