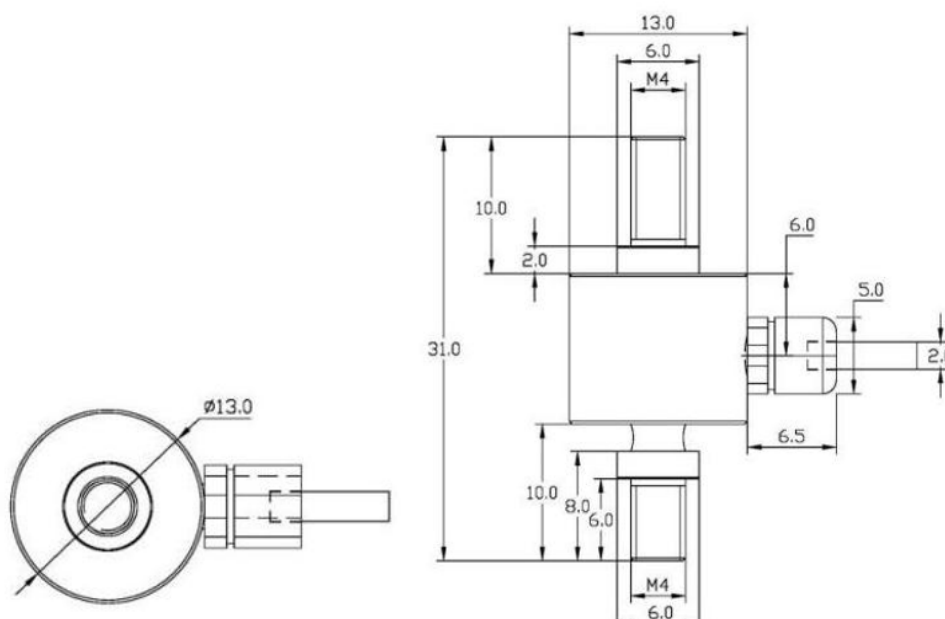


Tension and Compression Load Cell ME-8210



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 50 N to 500 N;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Running structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance

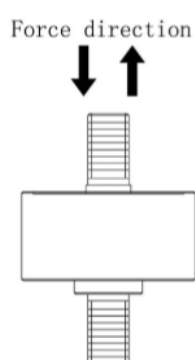


Technical parameters:

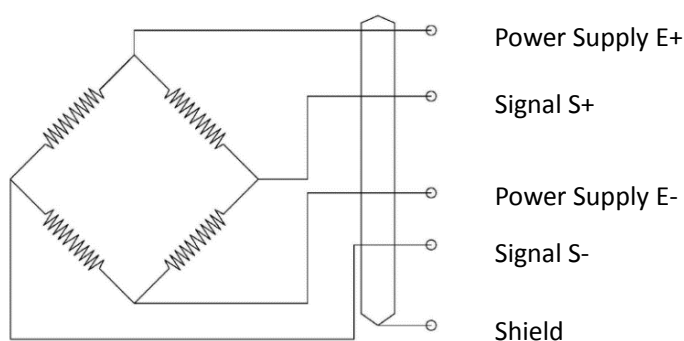
Measuring range:	0 ~ (50 N to 500 N) (5 kg to 50 kg)	Material:	Stainless steel
Accuracy:	0.5 % FSO	Rated output:	1.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 5 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.5 % FSO	Operating temperature range:	- 20 ~ 80 °C

Repeatability:	0.5 % FSO	Insulation:	$\geq 5000 \text{ M}\Omega / 100 \text{ VDC}$
Input impedance:	$350 (700) \pm 5 \Omega$	Output impedance:	$350 (700) \pm 5 \Omega$
Creep (30 min):	0.1 % FSO	Temperature effect on output:	0.05 % FSO / 10°C
Zero balance:	$\pm 2 \%$ FSO	Temperature effect on zero:	0.05 % FSO / 10°C
Safe load limit:	150 %	Ultimate load limit:	200 %
Cable size:	$\varnothing 3 \times 3 \text{ m}$	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:



Wiring diagram:



Order Instruction:

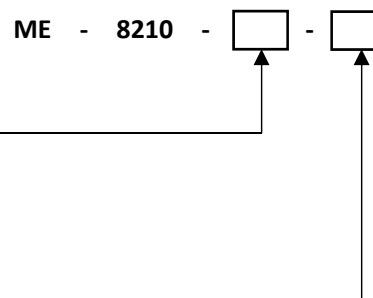
Load Cell

Measuring Range (N)

50	100	200	500
50	100	200	500

Cable Length (m)

3 meter length	5 meter length
L3	L5



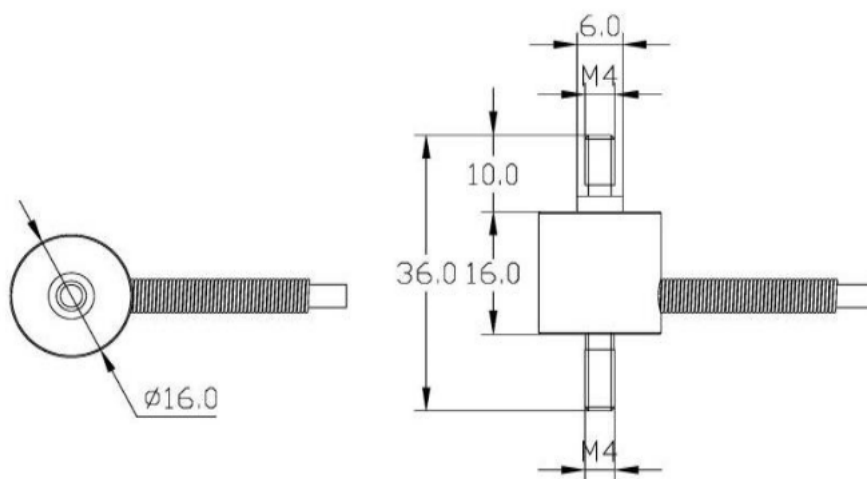
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8220



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 50 N to 500 N;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Running structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance

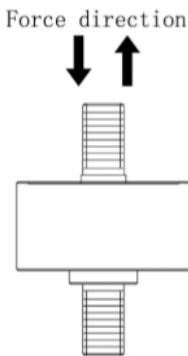


Technical parameters:

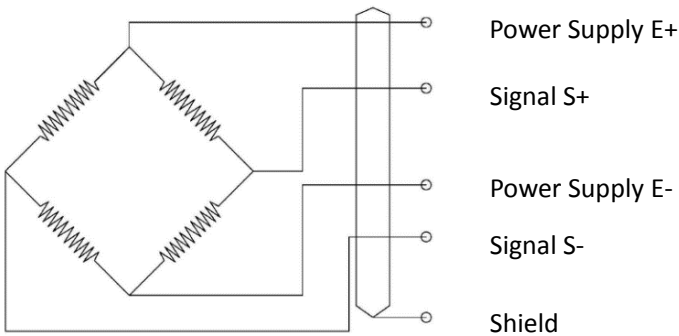
Measuring range:	0 ~ (50 N to 500 N) (5 kg to 50 kg)	Material:	Stainless steel
Accuracy:	0.1 % FSO	Rated output:	1.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 2 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.1 % FSO	Operating temperature range:	- 20 ~ 80 °C
Repeatability:	0.1 % FSO	Insulation:	≥ 5000 MΩ / 100 VDC
Input impedance:	350 (700) ± 5 Ω	Output impedance:	350 (700) ± 5 Ω

Creep (30 min):	0.1 % 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 3 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:



Wiring diagram:



Order Instruction:

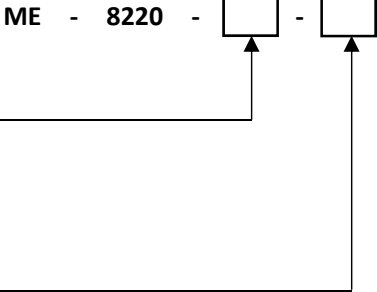
Load Cell

Measuring Range (N)

50	100	200	500
50	100	200	500

Cable Length (m)

3 meter length	5 meter length
L3	L5



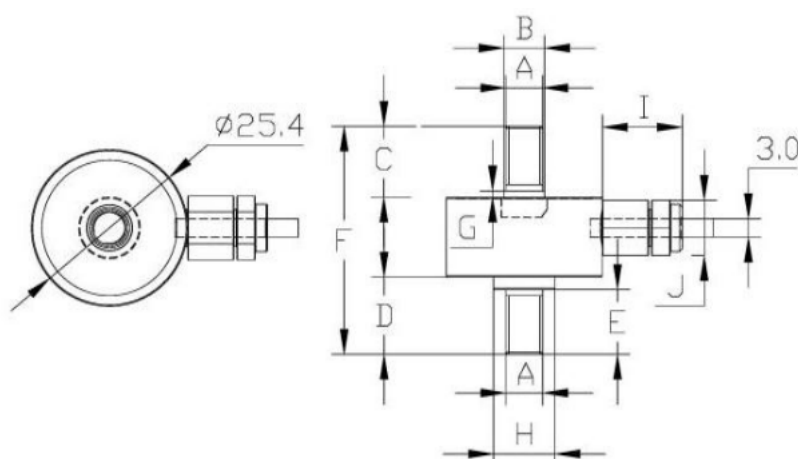
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8230



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 10 N to 1 kN;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Running structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance

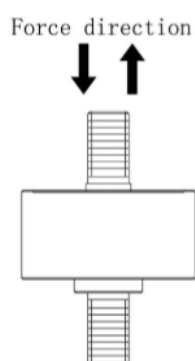


Range	A	B	C	D	E	F	G	H	I	J	Material
10 N to 30 N	M3	4	8.5	8.5	7.5	31	0	10	4	5	Aluminum
50 N to 500 N	M5	6.6	11.5	12.5	10.5	37	1	10	13	9	Stainless Steel
600 N to 1 kN	M6	6.6	11.5	12.5	10.5	37	1	10	13	9	Stainless Steel

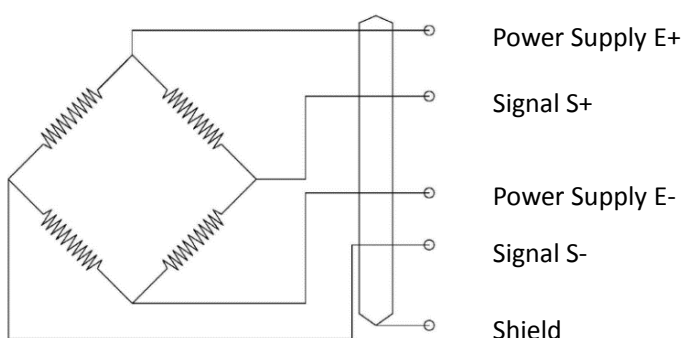
Technical parameters:

Measuring range:	0 ~ (10 N to 1 kN) (1 kg to 100 kg)	Material:	Stainless steel
Accuracy:	0.1 % FSO	Rated output:	1.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 2 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.1 % FSO	Operating temperature range:	- 20 ~ 80 °C
Repeatability:	0.1 % FSO	Insulation:	≥ 5000 MΩ / 100 VDC
Input impedance:	350 (700) ± 5 Ω	Output impedance:	350 (700) ± 5 Ω
Creep (30 min):	0.1 % 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 3 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:



Wiring diagram:



Order Instruction:

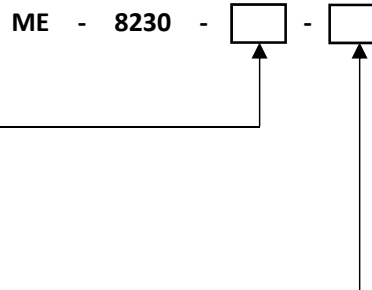
Load Cell

Measuring Range (N)

10	20	50	100	200	500	1000
10	20	50	100	200	500	1K

Cable Length (m)

3 meter length	5 meter length
L3	L5



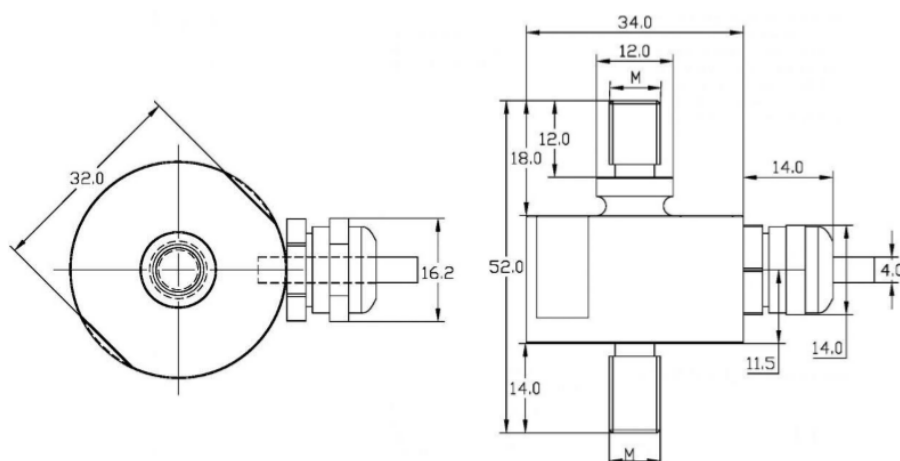
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8240



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 500 N to 10 kN;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Running structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance

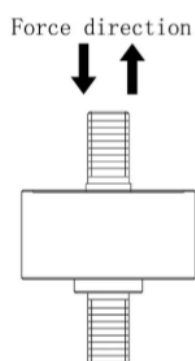


Range	M
500 N to 5 kN	M8
10 kN	M12 × 1.75

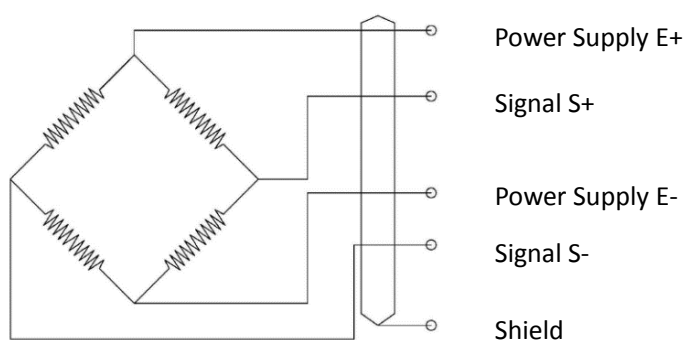
Technical parameters:

Measuring range:	0 ~ (500 N to 10 kN) (50 kg to 1 ton)	Material:	Stainless steel
Accuracy:	0.5 % FSO	Rated output:	2.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	10 V
Natural frequency:	≥ 5 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.1 % FSO	Operating temperature range:	- 20 ~ 80 °C
Repeatability:	0.1 % FSO	Insulation:	≥ 5000 MΩ / 100 VDC
Input impedance:	350 (700) ± 5 Ω	Output impedance:	350 (700) ± 5 Ω
Creep (30 min):	0.1 % 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 3 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:



Wiring diagram:



Order Instruction:

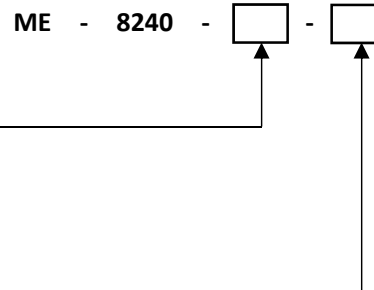
Load Cell

Measuring Range (N)

500	1000	2000	5000	10000
500	1K	2K	5K	10K

Cable Length (m)

3 meter length	5 meter length
L3	L5



* Dimension and measuring range can be customized by request.