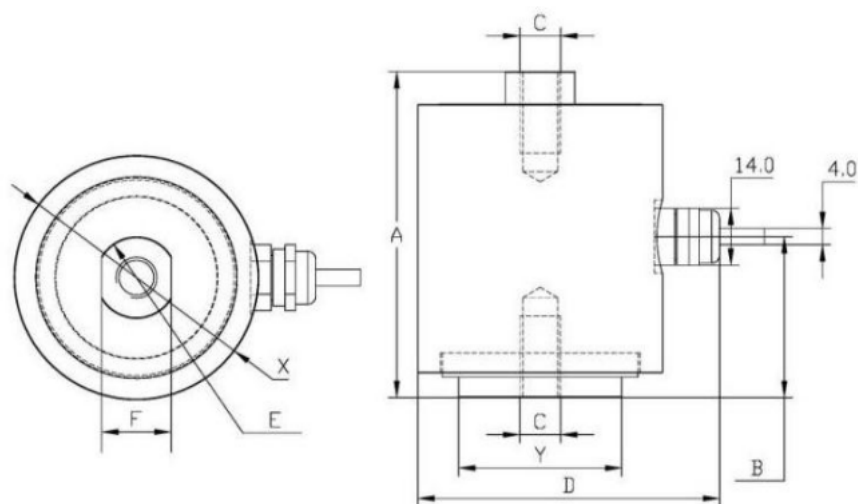


Tension and Compression Load Cell ME-8510

Feature:



- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 500 N to 30 kN;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Round structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance



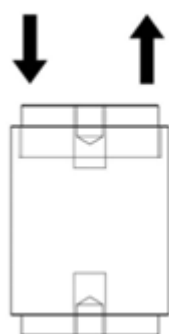
Range	A	B	C	D	E	F	X	Y
500 N to 5 kN	80	39.5	M10 × 1.5-6H	74	20	17	60	40
10 kN to 30 kN	120	45	M20 × 1.5-6H	74	36	30	60	40

Technical parameters:

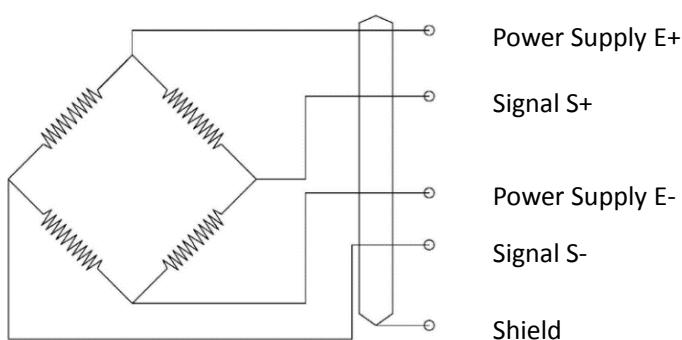
Measuring range:	0 ~ (500 N to 30 kN) (50 kg to 3 ton)	Material:	Stainless steel
Accuracy:	0.03 % FSO	Rated output:	1.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 5 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.03 % FSO	Operating temperature range:	- 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:

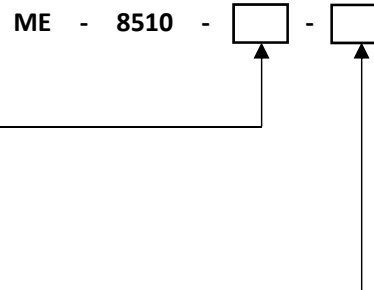
Load Cell

Measuring Range (N)

500	1000	2000	5000	10000	20000	30000
500	1K	2K	5K	10K	20K	30K

Cable Length (m)

3 meter length	5 meter length
L3	L5



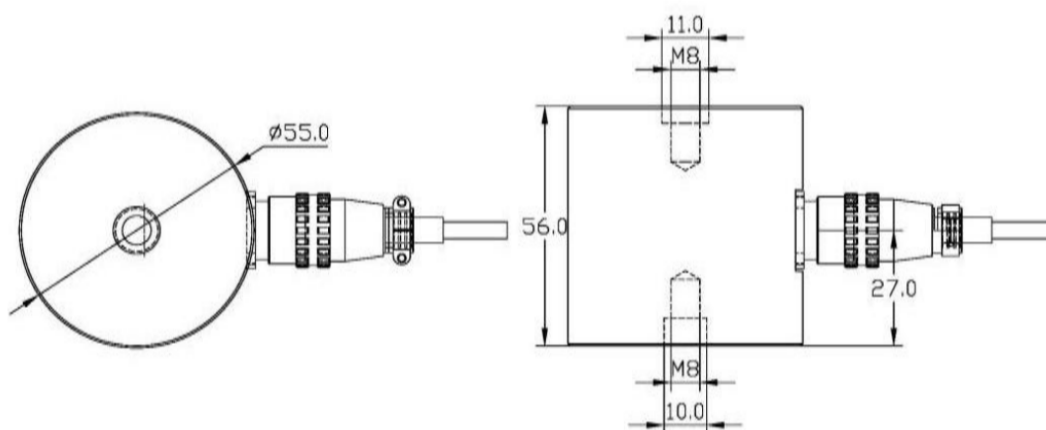
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8520

Feature:



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

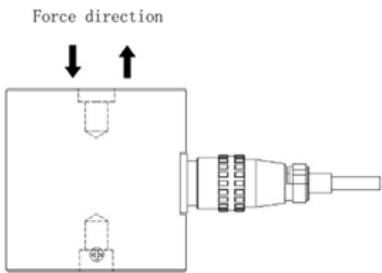


Technical parameters:

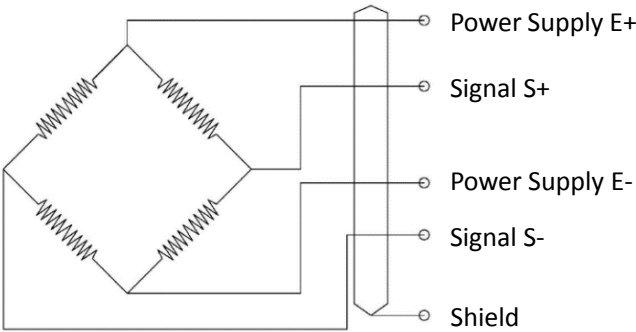
Measuring range:	0 ~ (10 N to 500 N) (1 kg to 50 kg)	Material:	Aluminum alloy
Accuracy:	0.05 % FSO	Rated output:	1.0 mV/V
Nominal excitation:	5 ~ 10 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 5 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.03 % FSO	Operating temperature range:	- 20 ~ 80 °C
Repeatability:	0.03 % FSO	Insulation:	≥ 5000 MΩ / 100 VDC
Input impedance:	350 ± 5 Ω	Output impedance:	350 ± 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 4 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:

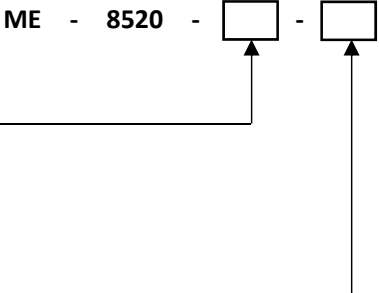
Load Cell

Measuring Range (N)

10	20	50	100	200	500
10	20	50	100	200	500

Cable Length (m)

3 meter length	5 meter length
L3	L5



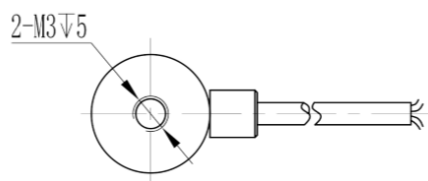
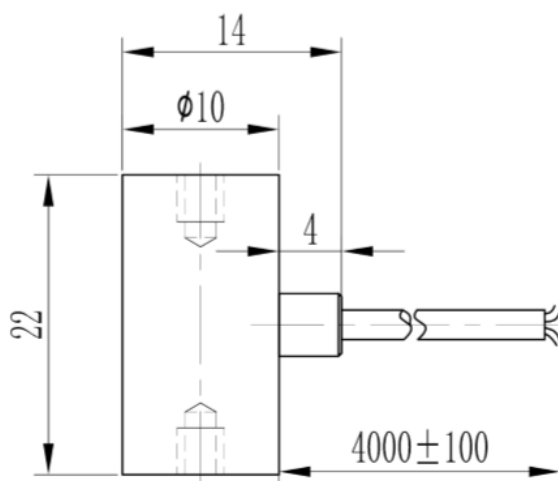
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8530

Feature:



- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 10 N to 100 N;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Round 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 ~ (10 N to 100 N) (1 kg to 10 kg)	Material:	Stainless steel
Accuracy:	0.1 % FSO	Rated output:	2.0 mV/V
Nominal excitation:	5 VDC	Maximum excitation:	15 V
Natural frequency:	≥ 2 kHz	Compensated temperature range:	- 10 ~ 40 °C
Hysteresis:	0.1 % FSO	Operating temperature range:	- 20 ~ 60 °C
Repeatability:	0.1 % FSO	Insulation:	≥ 5000 MΩ / 100 VDC
Input impedance:	350 ± 30 Ω	Output impedance:	350 ± 10 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

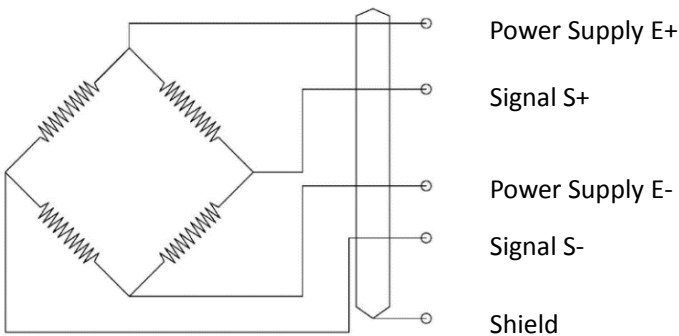
Safe load limit:	150 %	Ultimate load limit:	200 %
Cable size:	Ø 2 x 4m	Life time:	Full scale more than 1 million times
Wire connection:	Power supply E+: Red; Power supply E-: Black; Signal S+: Green; Signal S-: White		

Loading mode:

Force direction



Wiring diagram:



Order Instruction:

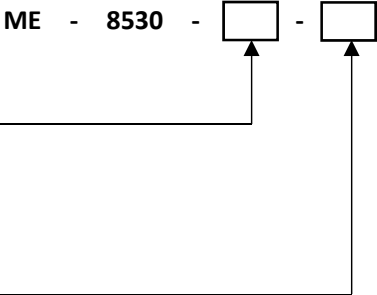
Load Cell

Measuring Range (N)

10	20	50	100
10	20	50	100

Cable Length (m)

3 meter length	5 meter length
L3	L5



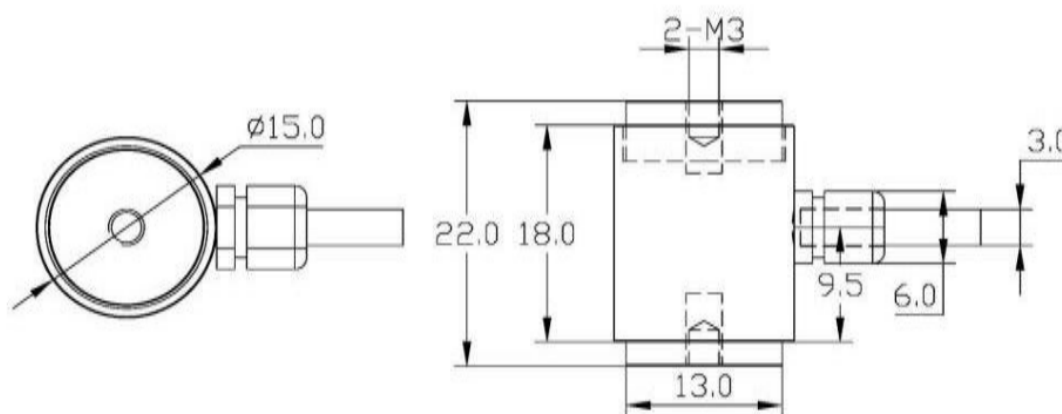
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8535A



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 10 N to 200 N;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Round structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance



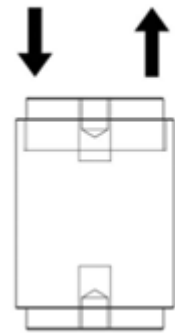
Technical parameters:

Measuring range:	0 ~ (10 N to 200 N) (1 kg to 20 kg)	Material:	Stainless steel
Accuracy:	0.05 % FSO	Rated output:	2.0 mV/V
Nominal excitation:	2.5 ~ 5 VDC	Maximum excitation:	10 V
Natural frequency:	≥ 2 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.05 % 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 %

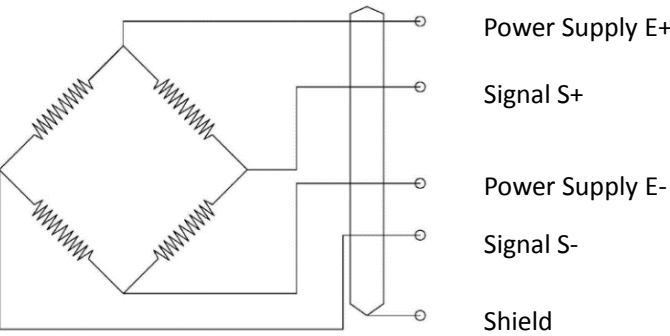
Cable size:	Ø 3 x 3m	Life time:	Full scale more than 1 million times
Wire connection:	Power supply E+: Red; Power supply E-: Black; Signal S+: Green; Signal S-: White		

Loading mode:

Force direction



Wiring diagram:



Order Instruction:

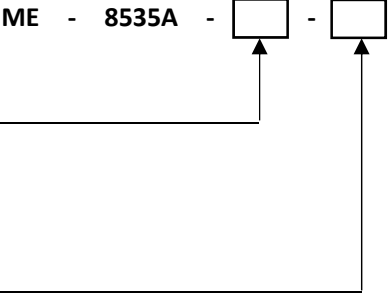
Load Cell

Measuring Range (N)

10	20	50	100	200
10	20	50	100	200

Cable Length (m)

3 meter length	5 meter length
L3	L5



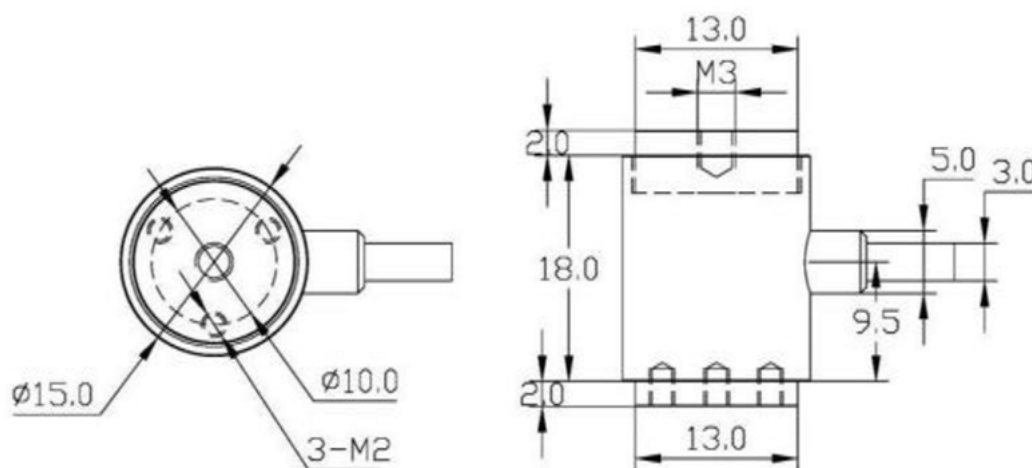
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8535B



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 10 N to 200 N;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Round structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance



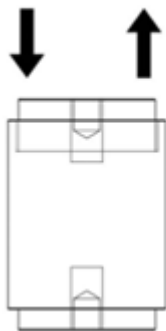
Technical parameters:

Measuring range:	0 ~ (10 N to 200 N) (1 kg to 20 kg)	Material:	Stainless steel
Accuracy:	0.05 % FSO	Rated output:	2.0 mV/V
Nominal excitation:	2.5 ~ 5 VDC	Maximum excitation:	10 V
Natural frequency:	≥ 2 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.05 % 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

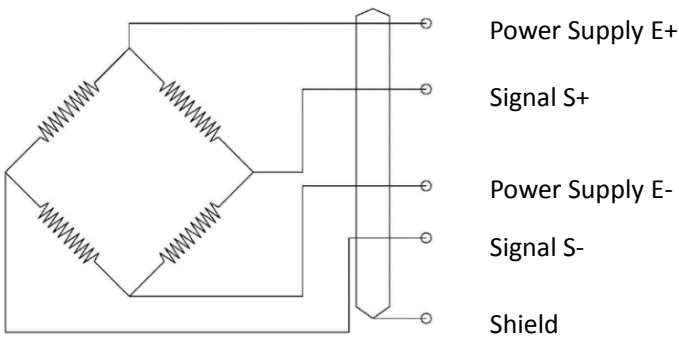
Zero balance:	$\pm 2\%$ FSO	Temperature effect on zero:	0.05 % FSO / 10 °C
Safe load limit:	150 %	Ultimate load limit:	200 %
Cable size:	$\varnothing 3 \times 3\text{m}$	Life time:	Full scale more than 1 million times
Wire connection:	Power supply E+: Red; Power supply E-: Black; Signal S+: Green; Signal S-: White		

Loading mode:

Force direction



Wiring diagram:



Order Instruction:

Load Cell

Measuring Range (N)

10	20	50	100	200
10	20	50	100	200

Cable Length (m)

3 meter length	5 meter length
L3	L5

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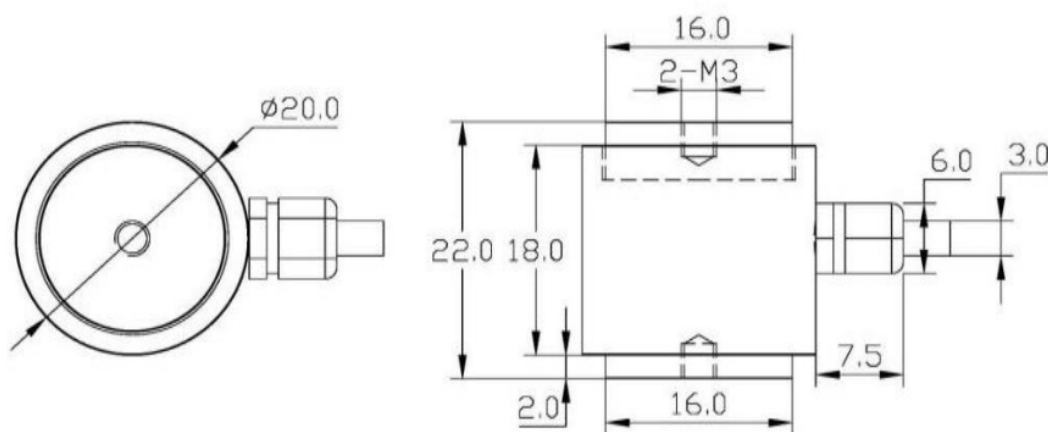
* Dimension and measuring range can be customized by request.

Tension and Compression Load Cell ME-8550



Feature:

- ◆ Adopt high-precision resistance strain principle;
- ◆ Meet force measurement in the range of 10 N to 100 N;
- ◆ Stainless steel material with sealed welding, oil, water, corrosion resistant;
- ◆ Round structural design, pressure-bearing, easy to install;
- ◆ Safe and suitable for harsh environments and dangerous situations;
- ◆ High dynamic response frequency;
- ◆ Small size, good appearance



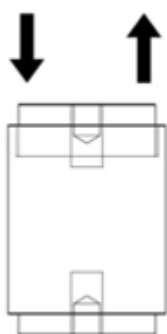
Technical parameters:

Measuring range:	0 ~ (10 N to 2 kN) (1 kg to 200 kg)	Material:	Stainless steel
Accuracy:	0.05 % FSO	Rated output:	2.0 mV/V
Nominal excitation:	2.5 ~ 5 VDC	Maximum excitation:	10 V
Natural frequency:	≥ 2 kHz	Compensated temperature range:	- 10 ~ 60 °C
Hysteresis:	0.05 % 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

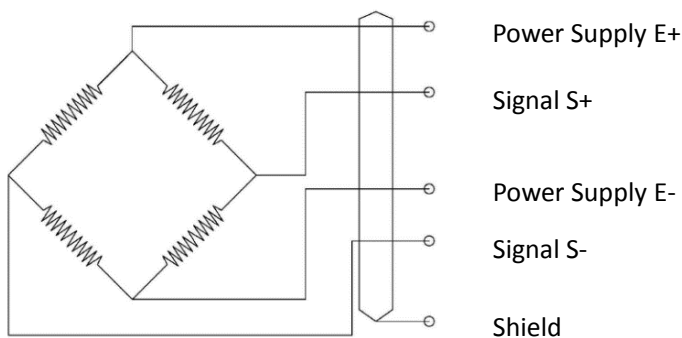
Creep (30 min):	0.01 % FSO	Temperature effect on output:	0.05 % FSO / 10 °C
Zero balance:	± 2 % FSO	Temperature effect on zero:	0.05 % FSO / 10 °C
Safe load limit:	150 %	Ultimate load limit:	200 %
Cable size:	Ø 3 x 3m	Life time:	Full scale more than 1 million times
Wire connection:	Power supply E+: Red; Power supply E-: Black; Signal S+: Green; Signal S-: White		

Loading mode:

Force direction



Wiring diagram:



Order Instruction:

Load Cell

Measuring Range (N)

10	20	50	100
10	20	50	100

Cable Length (m)

3 meter length	5 meter length
L3	L5

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* Dimension and measuring range can be customized by request.