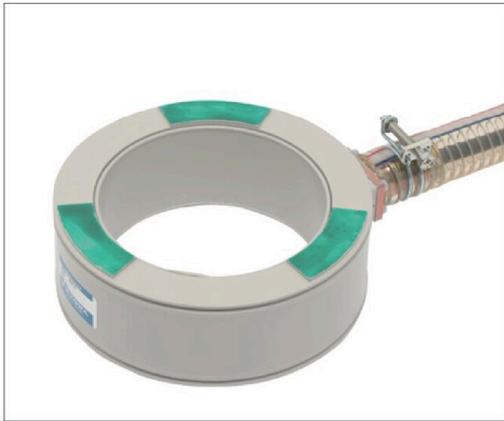


BLW-A

Hollowed Load Cell



Compact, waterproof, thin, and light, suitable for field measurement

- Rated capacity: 500 kN to 2 MN
- Degree of protection: IP68
- Low sensitivity difference due to eccentric load

These center hole load cells are for measuring loads on VSL anchors, etc.

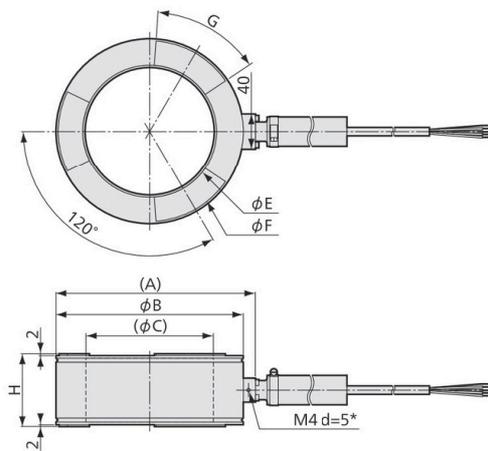
The center hole diameter is compatible with the VSL method.

Models

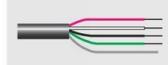
Model	Rated Capacity	(A)	ϕB	(ϕC)	H	ϕE	ϕF	G	Weight (Approx.)
BLW-A-500KN	500 kN	188	175	125	64	131	170	45°	4 kg
BLW-A-1MN	1 MN	223.5	210	144	82	150	205	52°	8 kg
BLW-A-1500KN	1500 kN	263.5	250	155	94	161	245	46°	14 kg
BLW-A-2MN	2 MN	263.5	250	155	94	161	245	60°	14.5 kg

ϕC : Hollow diameter

Dimensions



Bared at the tip (standard)



*For grounding of lightning arrester kit.

Specifications

Performance

Rated Capacity See table below.

Nonlinearity Within $\pm 0.8\%$ RO

Hysteresis Within $\pm 0.5\%$ RO

Rated Output 1.25 mV/V or more

Environmental Characteristics

Safe Temperature -20 to 70°C

Compensated Temperature -10 to 60°C

Temperature Effect on Zero Within $\pm 0.05\%$ RO/ $^\circ\text{C}$

Temperature Effect on Output Within $\pm 0.05\%$ / $^\circ\text{C}$

Electrical Characteristics

Safe Excitation 15 V AC or DC

Recommended Excitation 1 to 10 V AC or DC

Input Resistance $350 \Omega \pm 0.3\%$

Output Resistance $350 \Omega \pm 2\%$

Cable 4-conductor (0.5 mm^2) chloroprene shielded cable, 9.6 mm diameter by 1 m long, bared at the tip (Shield wire is not connected to the case.)

Mechanical Properties

Safe Overloads 150%

Degree of Protection IP68 (JIC S 0920/IEC 60529)

(Under 0.5 MPa water pressure, for 24 h at $23^\circ\text{C} \pm 15^\circ\text{C}$)

Weight See table below.

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Sensor



Strain Gauge

Load Cell

Pressure Sensor

Acceleration Sensor

Torque Sensor

Displacement Sensor

Component Force Sensor

Automotive Sensor

Civil Engineering Sensor

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