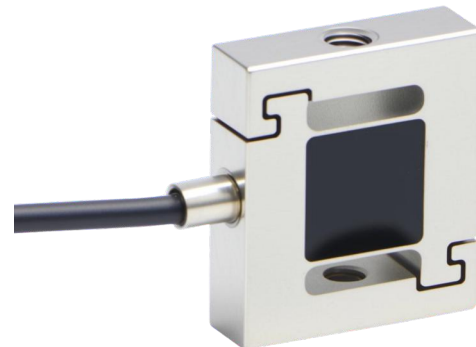


S-Type Tension Pressure Sensor Specifications

DYLY-108

Special features

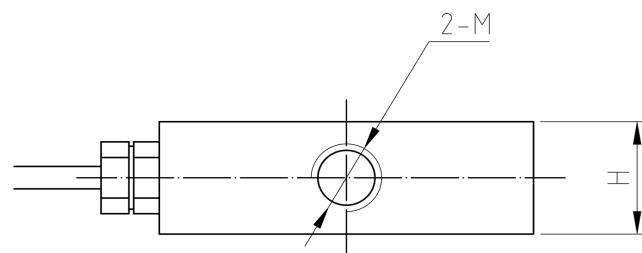
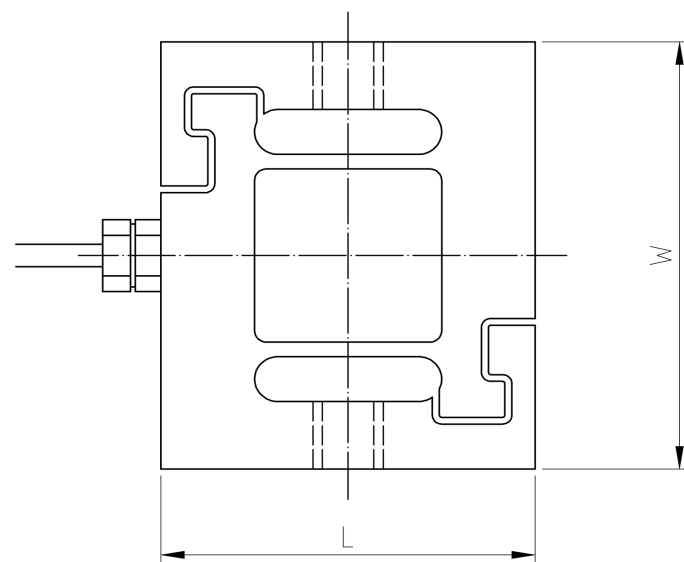
- Stainless steel construction
- Max. capacities from 5N to 2000N
- Complies with OIML R60 regulations up to 3000d divisions
- Hermetically sealed (IP65)
- Bidirectional tension and compression applications
- Better nonlinearity, hysteresis and creep performance; better long-term stability
- Suitable for industrial hook scales, belt scales and ingredient weighing control systems



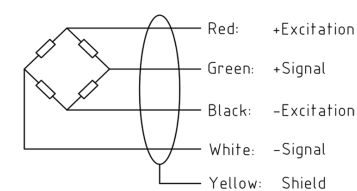
Option

- 4-wire cable
- Explosion-proof versions

Dimensions



Cable Colour Code: (4-wire circuit)



Shield connected to load cell body

Rated Cap	L	W	H	M
N/mm				
5N-100N	16	19.1	5	M3
200-500N	16	19.1	6	M4
1000-2000N	26	40	14	M8

S-Type Tension Pressure Sensor Specifications

DYLY-108

Parameter	Units	Specifications
Model No.		DYLY-108
Rated capacity (E_{max})	N	5 / 10 / 20 / 50 / 100 / 200 / 300 / 500 / 1000 / 2000
Accuracy class ¹⁾²⁾		0.03% C3
Min. dead load	N	0
Rated output	mV/V	1.4 ± 0.15
Zero balance	% of E_{max}	± 1
Y-value		6000 10000
Repeatability error	% of AL ³⁾	$< \pm 0.015$ $< \pm 0.010$
Creep; 30 minute	% of AL	$< \pm 0.030$ $< \pm 0.017$
Min. dead load output return (DR); 30 min	% of AL	$< \pm 0.030$ $< \pm 0.017$
Temp. effect on	Min. dead load output	% of $E_{max}/^{\circ}\text{C}$ $< \pm 0.0023$ $< \pm 0.0014$
	Rated output ²⁾	% of AL/ $^{\circ}\text{C}$ $< \pm 0.0020$ $< \pm 0.0012$
Temperature range	Compensated	-10 to $+40$ [$+14$ to $+104$]
	Operating	-40 to $+65$ [-40 to $+149$]
	Safe storage	-40 to $+80$ [-40 to $+176$]
Excitation voltage	Recommended	V AC/DC 5 ~ 15
	Maximum	15
Terminal resistance	Excitation	Ω 384 ± 5
	Output	350 ± 3
Insulation resistance @50VDC	M Ω	> 5000
Breakdown voltage	V AC	> 500
Seal type / IP rating		Hermetically welded / IP65
Load limit	Safe	% of E_{max} 150
	Ultimate	300
Material	Spring element	Stainless steel electrolytic polishing
	Cable	$\Phi 3$; 6-wire; PVC
Cable length	m	5N-500N $\Phi 2 \times 1$ 1000N-5000N $\Phi 3 \times 2$
		5N-500N 0.1 500N-2000N 0.3
Weight; approx	kg	
Fatigue life	cycles @ E_{max}	$> 1,000,000$
Deflection at E_{max} ; approx	mm	< 0.5
Barometric pressure effect on Zero Output	Vmin/kPa	< 1.0

Notes:

- 1) Error due to the combined effect of non-linearity and hysteresis
- 2) The sum of errors due to Temperature Effect on Output comply with the requirements of OIML R60 and NIST HB44
- 3) AL= Applied Load