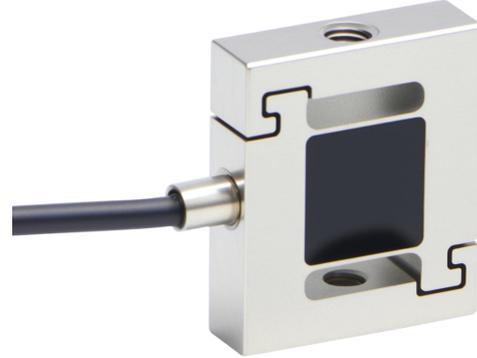


S-Type Tension Pressure Sensor Specifications

ATO-DYLY-108

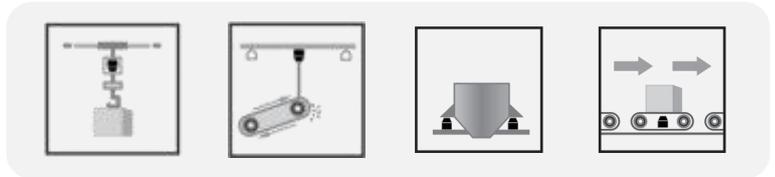
Special features

- Stainless steel construction
- Max. capacities from 0.5 to 200kg
- 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

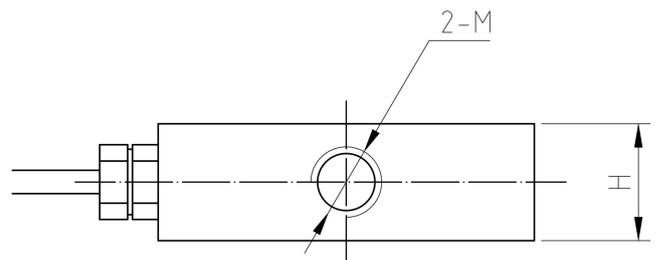
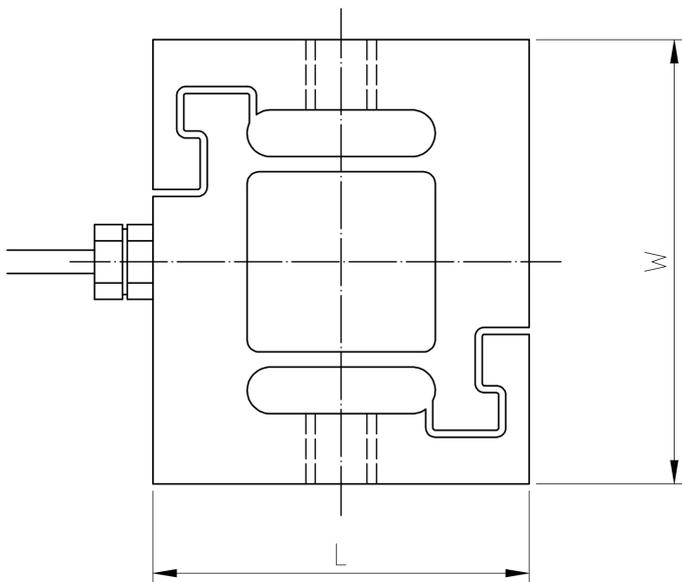


Option

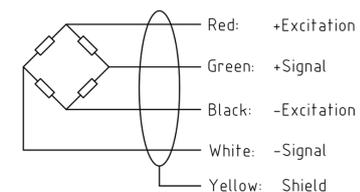
- 6-wire cable
- Explosion-proof versions



Dimensions



Cable Colour Code: (4-wire circuit)



Shield connected to load cell body

Rated Cap	L	W	H	M
kg/mm				
0.5-10kg	16	19.1	5	M3
20-50kg	16	19.1	6	M4
100-200kg	26	40	14	M8

S-Type Tension Pressure Sensor Specifications

ATO-DYLY-108

Parameter		Units	Specifications	
Model No.			ATO-DYLY-108	
Rated capacity (E _{max})		Kg	0.5 / 1 / 2 / 5 / 10 / 20 / 30 / 50 / 100 / 200	
Accuracy class ¹⁾²⁾			0.03%	C3
Min. dead load		kg	0	
Rated output		mV/V	2.0 ± 0.005	
Zero balance		% of E _{max}	±1	
Y-value			6000	10000
Repeatability error		% of AL ³⁾	< ± 0.015	< ± 0.010
Creep; 30 minute		% of AL	< ± 0.030	< ± 0.017
Min. dead load output return (DR); 30 min		% of AL	< ± 0.030	< ± 0.017
Temp. effect on	Min. dead load output	% of E _{max} /°C	< ± 0.0023	< ± 0.0014
	Rated output ²⁾	% of AL/°C	< ± 0.0020	< ± 0.0012
Temperature range	Compensated		-10 to + 40 [+ 14 to +104]	
	Operating	°C (°F)	-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		MΩ	> 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		Φ3; 6-wire; PVC	
Cable length	m	5N-500N	1000N-5000N	
		Φ2×1	Φ3×2	
Weight; approx	kg	5N-500N	500N-2000N	
		0.1	0.3	
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