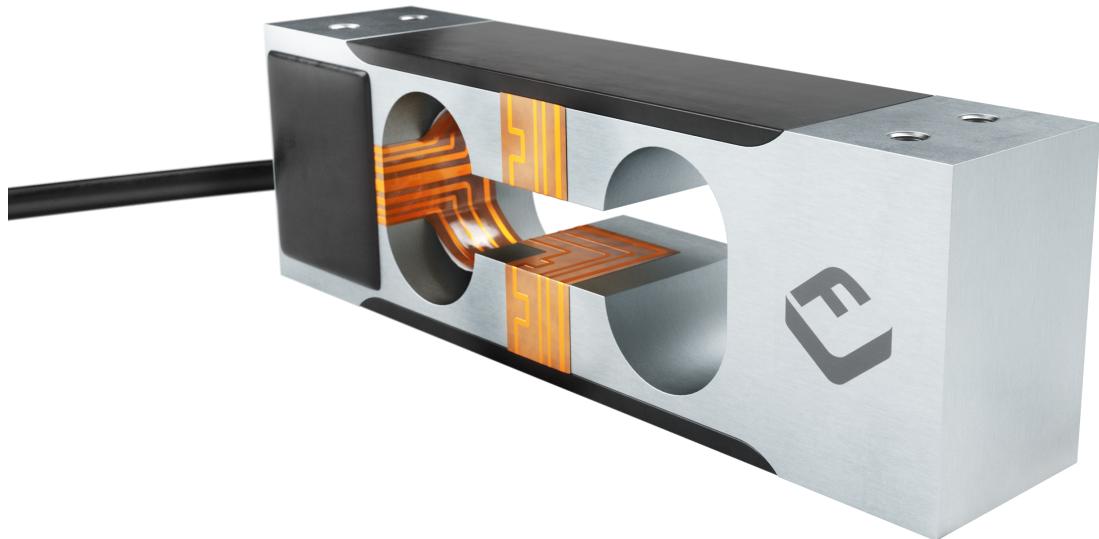


PA2 miniature single-point load cell



product description

The PA2 is a series of low capacity, aluminium single-point load cells intended for a wide range of industrial applications.

Due to the compact design, the PA2 can be integrated into low-capacity weighing machinery, medical devices and general machinery for process automation and control.

The PA2 has a range of capacities, extending from 0.3kg to 5kg. It features full-bridge, bonded-foil strain gauge technology, which offers excellent long-term stability.

applications

General test and measurement and machine monitoring and control. Ideal for small scales, packaging and assembly machinery or end-of-line test equipment.

accessories

A comprehensive range of electronic modules and accessories available

key features

Very low capacity single point from 300g to 5,000g

Slim and compact design

High-performance longevity

Built from high-grade aluminium

High accuracy $\pm 0.02\%$

Environmental protection to IP66

ATEX and FM approval pending

options

Range of cable lengths

Flying leads or cable connectors



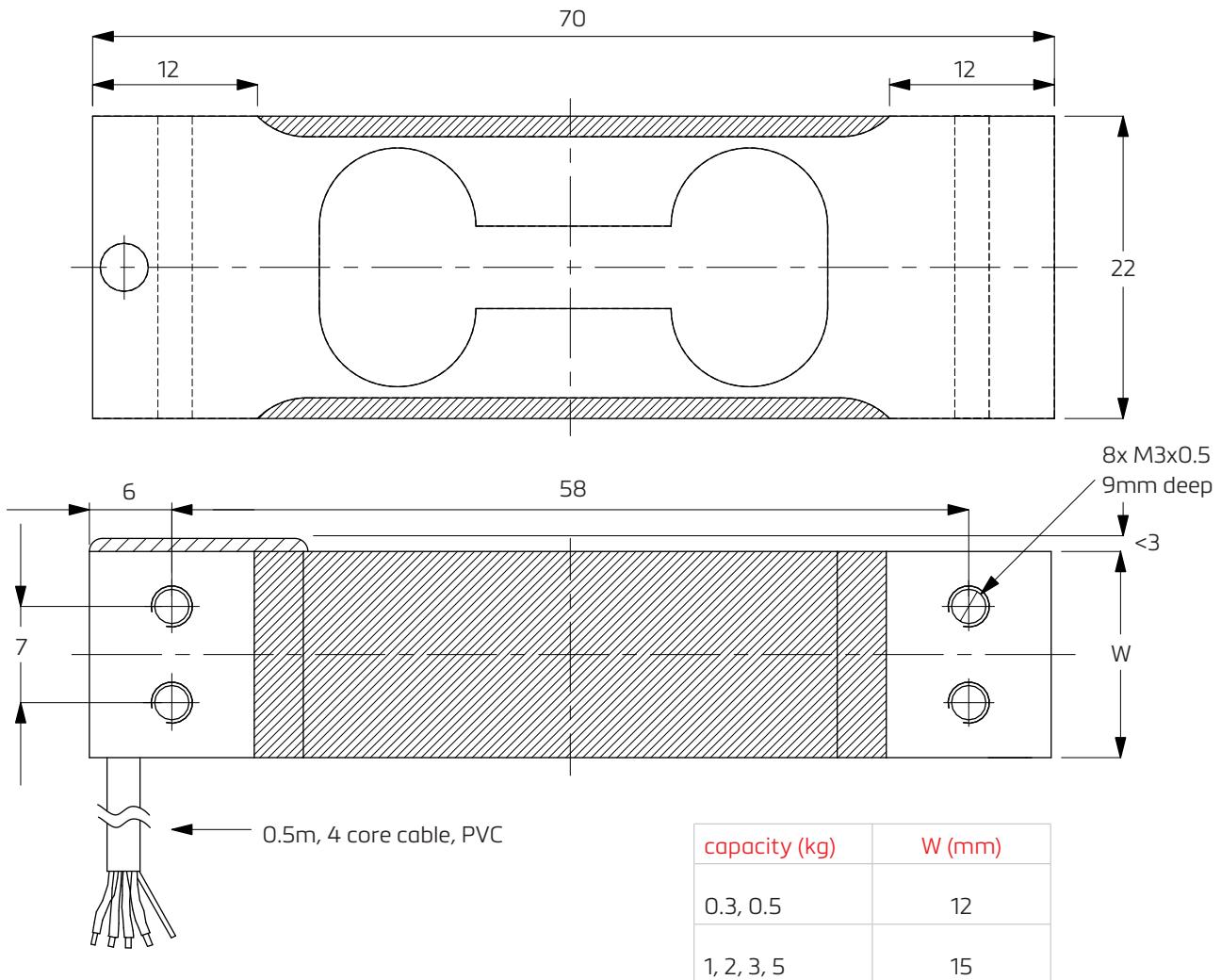
RoHS
compliant



specifications

Maximum capacity E_{\max}	kg	0.3, 0.5	1, 2, 3, 5
Accuracy class	-	G3	
Temperature effect on minimum dead load output TC_0	%*RO/10°C	± 0.028	
Ratio of mimimum verifaction interval Y	-	5,000	
Max platform size	mm	200x200	
Rated output RO	mV/V	1.0 ± 0.1	2 ± 0.2
Zero balance	mV/V	± 0.1	
Temperature effect on sensitivity TC_{RO}	%*RO/10°C	± 0.0100	
Non-linearity	%*RO	± 0.0166	
Hysteresis error	%*RO	± 0.0166	
Creep error (5 mins)	%*RO	± 0.0300	
Combined error	%*RO	± 0.0200	
Excitation voltage	V	5...15	
Input resistance	Ω	403 ± 20	
Output resistance	Ω	330 ± 25	
Insulation resistance (100V DC)	M Ω	$\geq 5,000$	
Safe load limit	%* E_{\max}	150	
Ultimate load limit	%* E_{\max}	300	
Compensated temperature range	°C	-10...+40	
Operating temperature range	°C	-20...+65	
Load cell material	-	Anodised aluminium	
Sealing	-	Potted	
Protection	-	IP66	
Recommended torque (M3 8.8)	Nm	1.3	

product dimensions (mm)

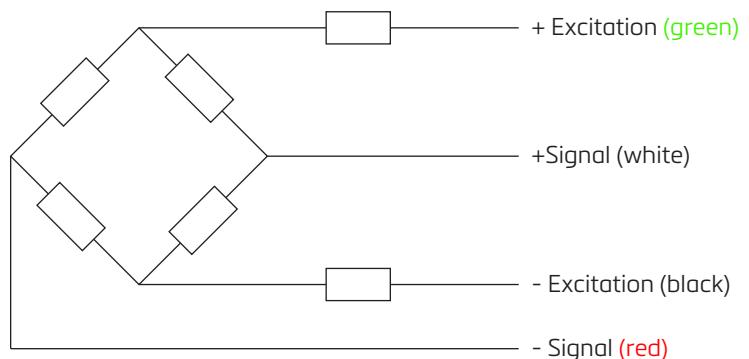


wiring

The sensor is provided with a 28AWG 4-conductor cable

Standard cable jacket: PVC

Standard cable length: 0.5m



Specifications and dimensions are subject to change without notice.

