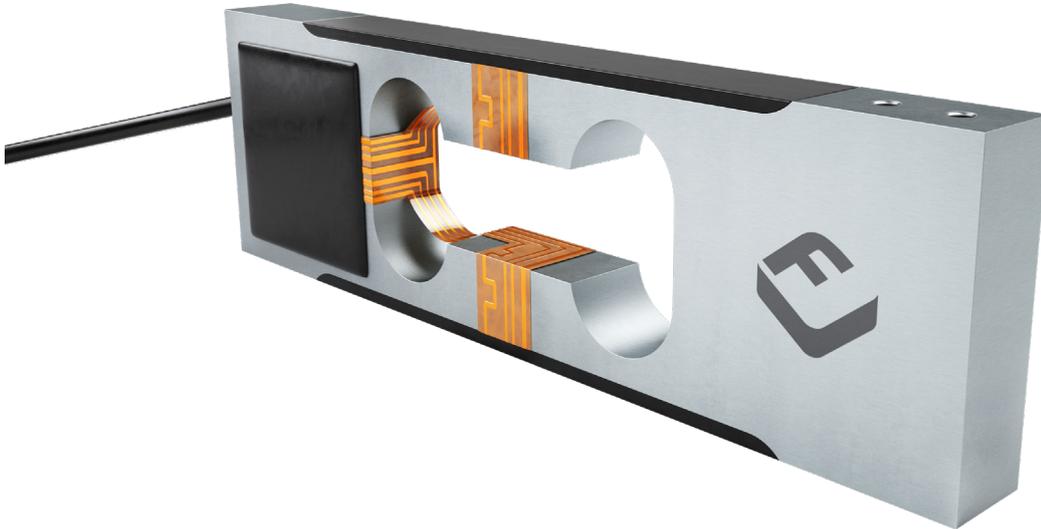


PA3 miniature single-point load cell



product description

The PA3 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 PA3 can be integrated into low-capacity weighing machinery, medical devices and general machinery for process automation and control.

The PA3 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

OIML and NTEP approval pending

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



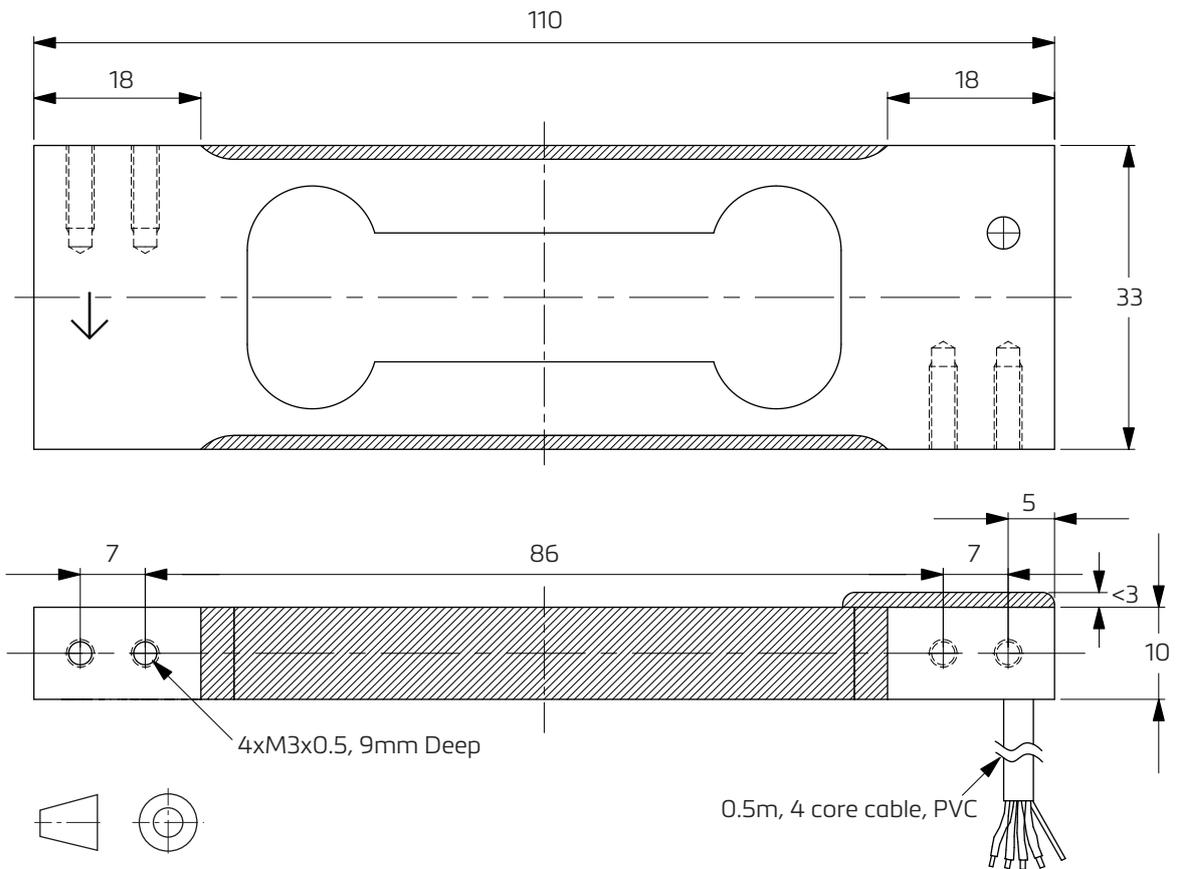
 **flintec**
quality + precision

specifications

Maximum capacity E_{max}	kg	03, 0.5, 1, 2, 3, 5
Accuracy class	-	C3 (Pending approval)
Temperature effect on minimum dead load output TC_0	%RO/10°C	±0.0280
Max platform size	mm	200x200
Rated output RO	mV/V	1±0.1
Zero balace	mV/V	±0.2
Temperature effect on sensitivity TC_{RO}	%RO/10°C	±0.0100
Non-linearity	%RO	±0.0166
Hysteresis error	%RO	±0.0166
Creep error (30 mins)/DR	%RO	±0.0166
Combined error	%RO	±0.0200
Excitation voltage	V	5..15
Input resistance	Ω	409±20
Output resistance	Ω	330±25
Insulation resistance (100V DC)	MΩ	≥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	2



product dimensions (mm)

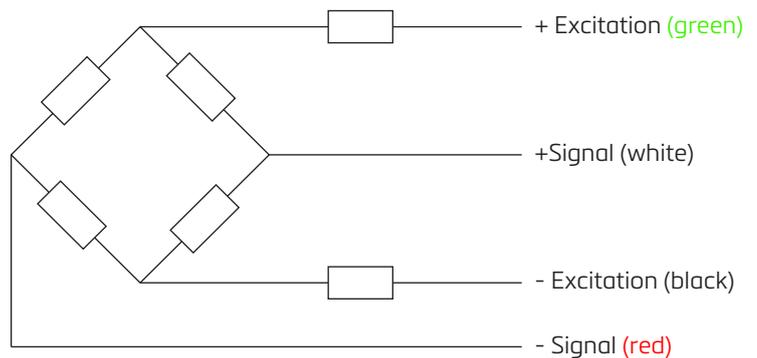


wiring

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.