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Platform load cell *H03A*



Functions & features

- Aluminium single-point load cell
- Rated capacities: 300 g / 600 g / 1500 g / 3000 g
- Potted sensing element, protection rating: IP65
- Compensated off-centre load errors
- Max. platform size: 200 x 200 mm
- Cable length: 0.4 m
- Cable type: 4-wire shielded cable (Ø 2.9 mm)
- High long-term stability and precision
- Compatible with other manufacturers (similar design to Zelo Tedea Soemer 1004, Variohm AL6B, Minebea BCL-A, Flintec PA3, HBM SPL, Siwarex WL260 SP-S, Tecsis F4835)

Applications:

- Small platform scales
- Bench scales
- Precision scales
- Retail scales,
- Gravimetric filling systems (e.g. coffee machines, beverage filling machines) and precision dosing systems

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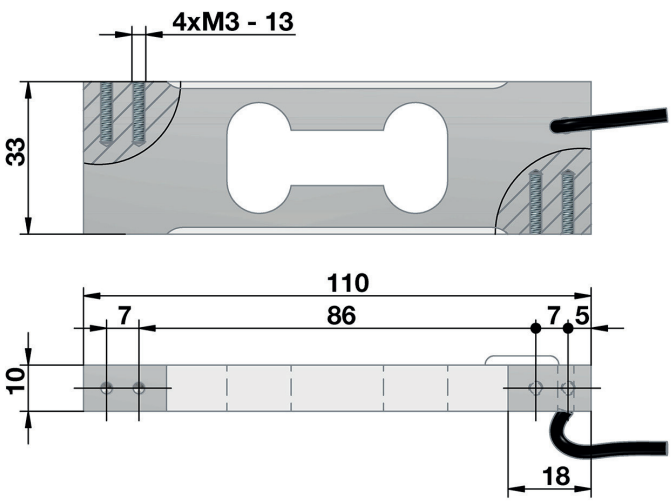
Single-point load cells for platform scales

The H03A is an aluminium platform load cell for low capacities up to 3 kg. H03A load cells are tested and optimised for off-centre loading as standard, preventing measurement errors even when the scale is loaded at just one corner. The load cell offers excellent long-term stability and repeatability. Its fully potted sensing element meets IP65 requirements, providing reliable protection against dust and moisture.

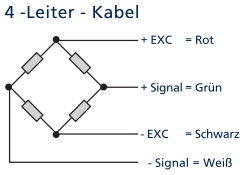
TECHNICAL DATA

Accuracy class		C
Rated capacity (E_{max})	kg	0.3 / 0.6 / 1.5 / 3
Number of divisions (n_{LC})		30 000 / 60 000
Rated output (C_n) / output tolerance	mV/V	0.9 ± 0.1
Minimum dead load (E_{min})		0
Safe load limit (E_L) **Ultimate load (E_d)**	% of Emax	120 150
Recommended excitation (U_{ref}) **Maximum excitation (B_U)**	V	5 - 10 12
Max. platform size	mm	200 x 200
Input resistance (R_{LC}) at reference temperature **Output resistance (R_O) at reference temperature**	Ω	406 ± 6 350 ± 3
Insulation resistance	MΩ	≥ 5 000
Compensated temperature range (B_T)	°C	- 10 ... + 40
Protection rating (DIN 40.050 / EN 60529)		IP65
Cable length / diameter		0.4 m / Ø 2.9 mm
Material		Aluminium

TECHNICAL DRAWINGS



Elektrischer Anschluss
4 -Leiter - Kabel



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