



Measuring cell

Huba Control

OEM Absolute pressure measuring cell

Type 513 barometric sensor

This pressure measuring cell, barometric adjusted with protection case is suitable for plug mounting on PCB. The output signal is linear, temperature compensated and amplified. The robust construction guarantees a long term stable measuring result.



Pressure range
0.8 ... 1.4 bar

- + Integrated amplifier electronics
- + No customer specific adjustment necessary
- + Excellent EMC capacity by reinforcement on measuring cell
- + Easy and quick fitting
- + Plastic case for direct mounting

Pressure range

Absolute	0.8 ... 1.4 bar
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Operating conditions

Medium	Air and neutral gases	
Temperature	Medium / ambient	-25 ... +85 °C
	Storage without packaging	-40 ... +130 °C
	Storage in packaging	-40 ... +65 °C
Temperature influences at range -30 ... +125 °C	TC-zero point ¹⁾	max. ±0.15% fs/10K
	TC-full scale ¹⁾	max. ±0.15% fs/10K
Overload / rupture pressure	3 x fs	

Material in contact with the medium

Measuring cell	Ceramic Al ₂ O ₃ (96%)
Case	PC (Polycarbonat)

Electrical overview

Output ratiom. 10 ... 90%	Power supply 5 VDC ±5%	Load > 10 kOhm / < 100 nF	Current consumption < 4 mA
Adjustment	Factory adjustment zero point and full scale		
Electromagnetic compatibility	The product is designed exclusively for installation in equipment which complies with EU directives. The customer is responsible for CE conformity.		

Dynamic response

Response time	< 2 ms, typ. 1 ms
Load cycle	< 100 Hz

Electrical connections

Connector RAST 1.27

Installation arrangement

Unrestricted

Weight

7 g

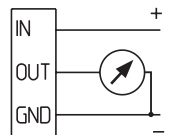
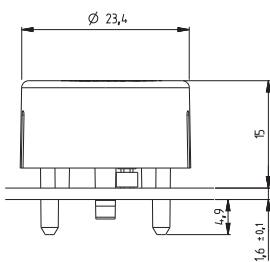
Packaging (multi packaging)

In covering box 4 Blisters 35 pcs each	140 pcs
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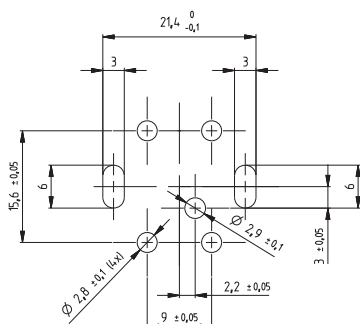
Accuracy

Parameter	Unit	
Tolerance zero point with full scale adjustment	% fs	± 0.5
Tolerance full scale without full scale adjustment	% fs	± 0.5
Resolution	% fs	0.1
Total of linearity, hysteresis and repeatability	max. % fs	± 0.5
Long term stability acc. to DIN EN 60770	% fs	± 0.5

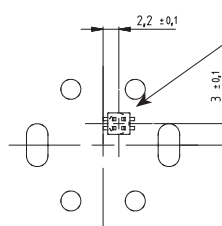
Dimensions in mm / Electrical connections



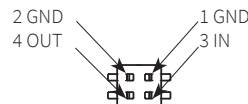
Drilling plan print:



Assembling material for socket



2x2 pin
supplier: Leonhardy GmbH
Article Number: 57-C63.020021



¹⁾ TC = Temperature coefficient

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