

OEM Absolute pressure measuring cell type 513 barometric sensor

Pressure range
0.8 ... 1.4 bar



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.

- 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

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 Al₂O₃ (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

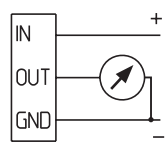
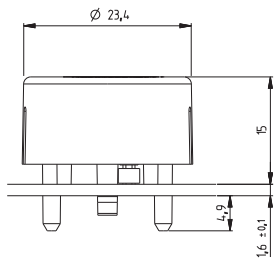
Weight
 7 g

Packaging (multi packaging)
 In covering box 4 Blisters 35 pcs each 140 pcs

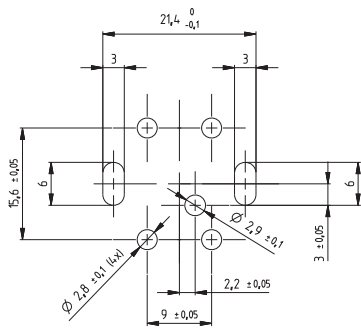
Accuracy

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

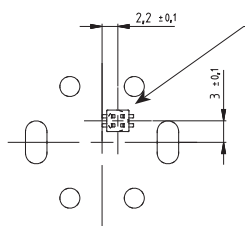
Dimensions in mm / Electrical connections



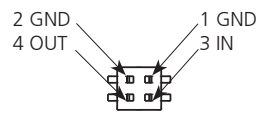
Drilling plan print:



Assembling material for socket



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



Huba Control

FOR FINE PRESSURE AND FLOW MEASUREMENT

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