

Hand-Held Instrument „Manoport“ for low pressure and differential pressure

accuracy 1 % resp. 0.6 %

3½ digit LCD display



Description

The hand-held instrument „Manoport“, is practically useful for measuring low differential pressure. If the second line to the atmosphere stays open, positive as well as negative over pressure can be measured.

It is mainly applied with the field of heating, air condition, ventilation, filter, anti-dust and medical technologie.

The measuring ranges are scaled between 0...2.5 mbar to 0...1000 mbar for the measurement of gas and air. For absolute pressure the measuring range 700...1100 mbar is also available as an alternative.

The piezoresistive measuring element guarantees a high degree of reliability.

A carrying case can be obtained as an option.

Features

- Measuring range from 2.5 mbar to 1000 mbar
- LCD-Display with 12.7 mm height
- Independent from stationary energie supply due to battery
- High reliability
- Differential pressure (including positive and negative gauge pressure)

Measuring ranges

Differential pressure
0...2.5 mbar to 0...1000 mbar

Applications

Heating, air condition, ventilation,
Filter, anti-dust,
Medical technologie.

Model: E3923

Technical Data

Model	E3923									
Pressure type	Differential pressure (including positive and negative gauge pressure)									
Measuring range [mbar]	2.5	5	10	25	50	100	250	500	1000	
Overload limit [mbar]	250	250	250	375	750	1125	750	1500	3000	
Repeatability [% of F.S.]	0.3		0.2		0.1					
Accuracy [% of F.S.]	1					0.6				
Sensor element	Piezoresistive									
Hysteresis [% of F.S.]	0.1									
Stability per year [% of F.S.]	2		0.5				0.1			
Pressure connection	2 plugs for 4mm tube									
Medium	for dry non-agresive gases only									
Power supply	9 V block batterie									
Temp. compens. range	0.... 50°C									
Temperature influence [% of F.S.]	2.5		1.0				0.7			
Response time	1 ms									
Protection Type	IP 54									
Operation temperatur	0 50 °C									
Case	Plastic.									
Weight	ca. 0.19 kg									

of F.S. = of full scale value

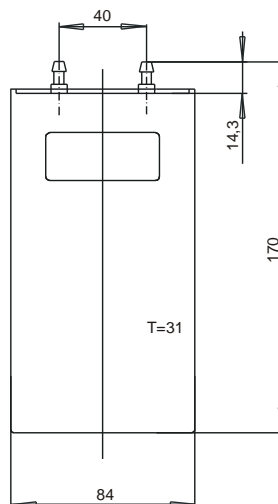
Option

Analog output	0 ... 1 VDC (Load > 2K)
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Accessories

Art. Nr.	Description
AZM49X090017	Carrying case, plastic, single

Dimensions (mm)



Order details

1. Models
2. Measuring range
3. Options