

# Hand-Held Pressure Measuring Instrument "Manoport"

with microprocessor  
with integrated pressure sensor

2x 4 segment digit LCD display



## Description

The hand-held pressure measuring instrument **"Manoport"** is a handy digital indicator for gas and air pressure measurements. The "Manoport" is equipped with an integrated differential pressure sensor which can be obtained for four different pressure ranges between 140 mbar and 2000 mbar. To measure positive or negative gauge pressure leave the second line open to atmospheric pressure.

To indicate variable pressure signals the instrument provides a measured value memory (HOLD) and a peak value memory (MIN and MAX). The filter mode allows to stable the reading. The accuracy can be increased by adjusting the zero value. The reading can be displayed in a great variety of different units. The instrument provides an over reading indication, reports over range pressure as well as low battery.

The built-in battery ensures independence from a stationary power supply and avoids any injury risk by mains voltage.

The hand-held pressure measuring instrument has a robust water protected case and can be used in nearly any environment.

## Features

- High accuracy
- Independent of stationary power supply (battery)
- Low weight
- Selectable units
- Adjustable zero value
- Tara-function
- Peak value memory (MIN and MAX) and actual value memory (HOLD)
- Differential pressure (including positive and negative gauge pressure)

## Measuring Ranges

Differential pressure:	-1 ... 0 ... 25 mbar
	-25 ... 0 ... 25 mbar
	-10 ... 0 ... 350 mbar
	-100 ... 0 ... 2000 mbar
	0 ... 1300 mbar abs.

## Applications

Service and repair,  
process- and gas pressure measurement,  
Inspect of filters in air conditioning,  
laboratories and dust-free room

Model: P3922xxx1xx

## Technical data

Model	P3922xxxx1xx					Option
Display	2 x 4-segment-LCD-display, 12,4 mm and 7mm high					
- Range	± 9999					
- Accuracy <sup>1)</sup>	± 0.2% of F.S. ± 1 digit (including: linearity and hysteresis)					
- Repeatability	± 0.1% of F.S.					
- Sample rate	4 /sec					
Measuring range	-1 ... 0 ... 25 mbar	-25 ... 0 ... 25 mbar	-10 ... 0 ...350 mbar	-100 ... 0 ... 2000 mbar	0 ... 1300 mbar abs	
Over pressure protection	100 mbar	100 mbar	1000 mbar	4000 mbar	4000 mbar abs.	
Pressure type	differential pressure (including negative and positive gauge pressure)					
Media	dry, non aggressive gases					fluids
Pressure connection	2 connection for 4mm tube					
Temperature ranges - Operation	0 °C to 50 °C; 10 to 90% humidity, non condensating					
Temperature influence	0.1% / 10K; at zero and span					
Zero value adjustment	programmable					
Measured value memory	HOLD-mode, holds the actual value					
Peak value memory	MAX-, MIN-mode, saves the maximum and minimum value					
Power supply	9 V monoblock battery; ca. 200 hours					
Protection type	IP 65 EN 60 529, IEC 529					
Case	plastic black; 142 x 71 x 28 (LxBxH)					
Weight	approx. 160g including battery					

<sup>1)</sup> 0,3% accuracy for measuring range ≤ 25 mbar

of F.S. = of full scale value

## Accessories

Article no.	Description
	Option data logger
AZM49X090028	Carrying case, plastic , seperate – dimension: 275 x 215 x 85mm (BxHxT)
EZE50X001006	Power supply unit
EZE53X080026	Analysis software incl. interface inverter

## Order details:

1. Model
2. Measuring range
3. Options

Modifications reserved