



Features

- Pressure Ranges from 100 mbar through 2000 bar
- Accuracy up to 0.05 % Full Scale
- 10 Selectable Pressure Units
- Large back-light 5 digits display resolution with active bar graph
- Maximum, minimum, zero, tare and damping function
- Fully programmable data logging
- USB connection as standard
- Automatic Switch test (optional)
- Wireless Communication (Optional)
- Stainless Steel 17-4 PH sensor for high strength and aggressive media
- Measure media temperature



Description

The P125 is an high accuracy digital test gauge which combine precision and functionality in a robust and easy to use unit.

The P125 Digital test gauge can be supplied stand alone as process indicator or as a kit together with our range of calibration hand pumps to become a cost effective pressure calibrator.

The standard data logging function, USB and wireless communication makes the P125 digital test gauge the perfect solution in application where accurate process measurements and data capture is required.

Applications

- Process Monitoring and control
- Test and Calibration
- OEM



Specifications

Accuracy

± 0.05 % Full Scale from 1 to 1000 bar @23 C

± 0.1 % Full Scale all other ranges @ 23 C

Accuracy include linearity and hysteresis Compensated temperature range from -10 to 70C, temperature effect with -in compensated range is <0.002%/C

Resolution

5 digits

Pressure Ranges

Range Code	Type	Range (bar)	Range (PSI)	Resolution (bar)	Resolution (psi)
0.1	G	0-0.1		0.0001	0.001
0.25	G	0-0.25		0.0001	0.001
0.50	G	-0.5- 0.5		0.001	0.001
1	G or A	-1 o 1		0.0001	0.001
2,5	G or A	-1 to 2.5		0.0001	0.001
7	G or A	-1 to 7		0.0001	0.001
10	G or A	-1 to 10		0.001	0.01
20	G	-1 to 20		0.001	0.01
40	G	-1 to 40		0.001	0.01
60	G	-1 to 60		0.001	0.01
100	G	0-100		0.01	0.1
135	G	0-135		0.01	0.1
250	G	0-250		0.01	0.1
350	G	0-350		0.01	0.1
700	G	0-700		0.01	0.1
1000	G	0-1000		0.1	1
1500	G	0-1500		0.1	1
2000	G	0-2000		0.1	1

Selectable Pressure unit

mbar, bar, kPa, MPa, psi, kg/cm2, mHg, mmHg, mH2O and mH2O.

Burst Pressure

300% FS

Display

5 Digits, Back-light (programmable 1 to 60s or disabled), active bar graph. Custom LCD 13mm high

Display update

100 msec

Minimum/Max/Zero function

Minimum and maximum pressure value are displayed on the P125. ZERO function is possible up to 50% of FS

Pressure Port

- 1/4 " BSP M for ranges up to 60 bar (Optional 1/4 NPT M available)
- 1/2" BSP M for all other ranges (Optional 1/22 NPT available)

Battery

The P125 is supplied as standard with high efficiency Li-Ion 3.6 V rechargeable battery. Battery charge last for approximately 3 months when used with back-light off and with-out wireless transmission. Charging time around 8 hours trough USB port. USB lead and wall charger supplied as standard.

Menu Lock

Password protected menu against not authorised user

Data-logging

Automatic data logging, fully programmable. Maximum sampling time 1 second. Maximum logging capability up to 60000 pressure readings, or 30000 combined pressure/temperatures. Data can be reviewed directly on display.

Quick Light Software (P125-OPT-03)

The software allow for downloading of the stored data, create graph, data analysis , exporting data to an excel application, real time data communication

UBS communication

USB.2 digital communication (cable provided) to download stored data or for real time data transfer

Switch test (P125-OPT-01)

The P125 features a switch test function to display the open and closed pressure values from a pressure switch. Switch test leads is supplied together with this option.

Wireless communication (P125-OPT-02)

Wireless real time data transfer. Maximum transmission rate 10Hz, open space distance 100m- Carrier 433mHz. Different solutions are available as receiver. Up to 32 x P125 can be connected to the one receiver module with data transfer to a PC. Please contact us for additional information.

Digital Filter/Damping function

The P125 digital test gauge features a programmable digital filter which allow for stable pressure readings even in highly un-stable pressures. This function is particularly suitable when the gauge is used for monitoring industrial processes.

General

Case Material

Anodised Aluminium sealed to IP 40

Wetted Parts

Stainless Steel 17-4 PH sensor for high strength and aggressive media

Storage Temperature

-10 to 80C

Dimension

(W)86 x (L)86x (D)39 mm

Total length with sensor fitting 139 mm

European compliance

CE Marked

89/336/CEE-93/68/CEE-72/23/CE,EN61010(2001)

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