

Precision Digital Pressure Gauge PI105

PRISMA
Instruments



- Accuracy: $\pm 0.2\%$ $\pm 0.1\%$, or $\pm 0.05\%$, of full scale
- 10 Units: kPa, Pa, PSI, Kg / cm², Bar, MPa ...
- Scale: Any scale between (-1-0) bar to 1600 bar
- Display: Large LCD display with 5 DIGIT dual display
- Keys: On / Off, Reset, Backlight
- Connection: 1/4 " NPT, 1/4 " BSP, 1/4 " G (or customizable)
- Dial size: 105 mm
- Display of pressure and temperature simultaneously
- Stainless steel connection and housing
- Recording pressures max. & min
- Battery alarm function
- Easy to use, robust design and reliable performance
- Lithium battery 1 year battery life 24 hours
- Calibration certificate with factory traceability
- Optional ISO17025 equivalent COFRAC or NIST certificate

The **PI105** intelligent digital pressure gauges feature high-precision sensors that display pressure in real time. They are equipped with a large LCD screen and have various features, such as zeroing, backlighting, ON/OFF button, various selectable measurement units, battery alarm and recording. maximum and minimum pressure. They are simple to install and use. Their shells and connectors are made of 304 stainless steel. They can be used to measure gases, liquids, oils and other fluids suitable for stainless steel. They apply to the following areas: portable pressure measurement, ground pressure measurement, equipment support, calibration laboratory etc.



Pneumatic or Hydraulic Test Kit

- Combine any PI105 series pressure gauge up to 140 bar and a pneumatic test pump of the PMP series and you get a complete pressure pneumatic test kit (air)
- Combine any PI105 series pressure gauge up to 1600 Bar and a hydraulic test pump of the PMH series and you get a complet high pressure test kit
- An ideal tool at the best price to allow you to control your pressure instruments yourself and establish your calibration certificates

OFFRE SPECIALE

A storage case will be offered for any combined order:
Pressure Gauge **PI105 + PMP** or **PMH** hand pump



Scales & Accuracy

Gauge pressure

Model	Bar	PSI	Accuracy %	Media
R15	1	15	0,2 0,1	G
R24	1,6	24	0,2 0,1 0,05	G
R37	2,5	37	0,2 0,1 0,05	G
R60	4	60	0,2 0,1 0,05	G, L
R90	6	90	0,2 0,1 0,05	G, L
R150	10	150	0,2 0,1 0,05	G, L
R240	16	240	0,2 0,1 0,05	G, L
R370	25	370	0,2 0,1 0,05	G, L
R600	40	600	0,2 0,1 0,05	G, L
R900	60	900	0,2 0,1 0,05	G, L
R1.5K	100	1.500	0,2 0,1 0,05	G, L
R2.4K	160	2.400	0,2 0,1 0,05	G, L
R3.7K	250	3.700	0,2 0,1 0,05	G, L
R6K	400	6.000	0,2 0,1 0,05	G, L
R9K	600	9.000	0,2 0,1	G, L
R15K	1000	15.000	0,2 0,1	G, L
R24K	1600	24.000	0,2 0,1	G, L

Absolute Pressure

Model	Bar	PSI	Accuracy %	Media
A15	1	15	0,2 0,1	G
A24	1,6	24	0,2 0,1 0,05	G
A37	2,5	37	0,2 0,1 0,05	G
A60	4	60	0,2 0,1 0,05	G, L
A90	6	90	0,2 0,1 0,05	G, L
A150	10	150	0,2 0,1 0,05	G, L

Compound pressure

Model	Bar	PSI	Accuracy %	Media
V005	-1 à 0,05	-15 à 0,75	0,2 0,1	G
V01	-1 à 0,1	-15 à 1,5	0,2 0,1	G
V02	-1 à 0,2	-15 à 3	0,2 0,1	G
V03	-1 à 0,3	-15 à 4,5	0,2 0,1	G
V04	-1 à 0,4	-15 à 6	0,2 0,1	G
V06	-1 à 0,6	-15 à 9	0,2 0,1	G
V1	± 1	-15 à 15	0,2 0,1	G
V1.6	-1 à 1,6	-15 à 24	0,2 0,1	G
V2.5	-1 à 2,5	-15 à 37	0,2 0,1	G
V6	-1 à 6	-15 à 90	0,2 0,1	G
V10	-1 à 10	-15 à 150	0,2 0,1	G, L
V16	-1 à 16	-15 à 370	0,2 0,1	G, L

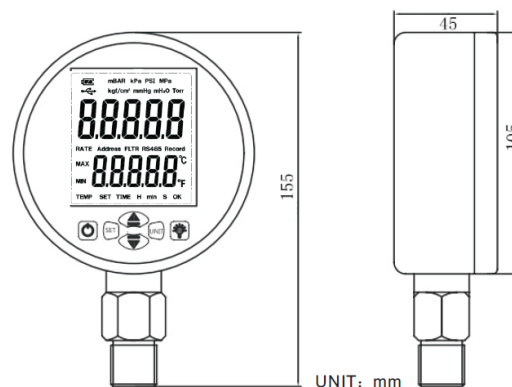
Micro Pressure

Model	mbar	PSI	Accuracy%	Media
M50	50	0,75	0,2 0,1	G
M100	100	1,5	0,2 0,1	G
M200	200	3	0,2 0,1	G
M300	300	4,5	0,2 0,1	G
M400	400	6	0,2 0,1	G
M500	500	7,5	0,2 0,1	G
M600	600	9	0,2 0,1	G
M700	700	10	0,2 0,1	G
M800	800	12	0,2 0,1	G
M900	900	13	0,2 0,1	G

Main Features

Backlit LCD display	5 DIGIT ~ 55x55 mm
Doble display	Pressure & température
Sampling rate	1~ 10 / seconde
Pressure Accuracy	0,2%, 0,1%, 0,05%* *(10°C à 30°C)
Temperature Accuracy	> 0.5 °C
Operating temperature	-10 ~ 50°C
Humidity	0 ~ 95% RH
Temperature compensation	0 ~ 40°C
Power Supply	Batterie AA ou Alim. USB 2.0 5V 15A
Battery life	36000 heures
10 units	MPa, kPa, Pa, PSI, Kg/cm ² , Bar, mBar, mmHg, mH2O, Torr
Option	Signal RS485
Certification	CE, EX, EN61326
Weight & Dimensions	105x155x45 mm 260g
Accessories	Batteries, power cable, suitcase, hoses, stainless steel adapters, house

Display & Dimensions



Order code

Example : **PI105-R60-01-14BSP**

Pressure gauge PI105 Range : 0-4 bar

Accuracy: 0,1% FS Connection: 1/4" BSP M