

USE

THE PG2 DIGITAL GAUGE SERIES IS PROPOSED AS THE MORE AFFORDABLE VERSION, YET IT GUARANTEES ALL THE FUNCTIONAL CHARACTERISTICS WITH A PRECISION CLASS BETTER THAN 0.25%. ITS MAIN APPLICATIONS ARE IN INDUSTRIAL FIELDS WHERE IT IS NECESSARY TO CHECK PROCESSES, AS WELL AS FOR FIRST-LINE SAMPLING AND PERIODIC CONTROL OF OTHER PRESSURE TESTERS.

DESCRIPTION

BATTERY DIGITAL PRESSURE GAUGE

- ACCURACY: 0.25%
- ABS CASE
- PROTECTION DEGREE: IP55
- STAINLESS STEEL PIVOT
- REQUIRES A 9V VOLT BATTERY 6LR61 (NOT INCLUDED) WITH 2000 HOURS OF AUTONOMY WITHOUT RECHARGING
- PROGRAMMABLE RESOLUTION (BAR, PSI, KPA, MPA, AND KG/CM²)
- PEAK FUNCTION
- READING FREQUENCY: 100 MS
- THREAD: 1/2" BSP

USING RANGE

- WORKING TEMPERATURE: -20°C TO +70°C (-4°F TO +158°F)
- MAX OVERPRESSURE: 150%

MODELS

AVAILABLE RANGES --> RESOLUTION

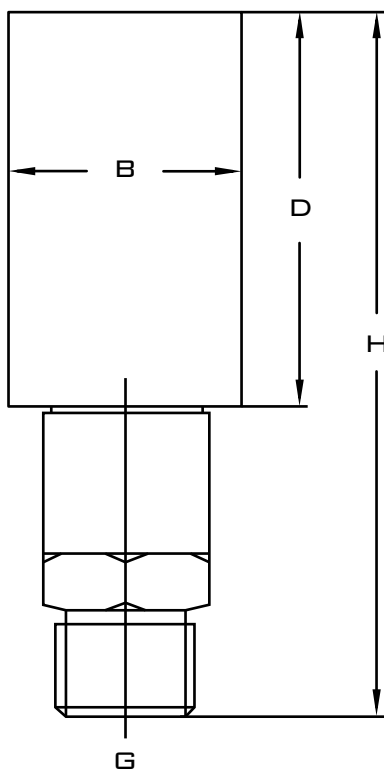
- 1/0, 0/1, 2.5, 5 --> 0.001
- 10, 20, 60 BAR --> 0.01
- 100, 160, 250, 350, 500, 700 BAR --> 0.1
- 1000 BAR --> 1



OPTIONS

1/4" BSP OR NPT THREAD
DIFFERENTIAL VERSION

AVAILABLE SIZES



VAR	B	D	H	G
LAB-PG2	35	67	120	1/2" BSP

**USER MANUAL****DESCRIPTION**

THE LAB-PG2 DIGITAL PRESSURE GAUGE IS DESIGNED WITH A FULLY ELECTRONIC STRUCTURE AND OPERATES ON BATTERY POWER. IT OFFERS EASY INSTALLATION. THESE GAUGES UTILIZE HIGH-PRECISION PIEZORESISTIVE PRESSURE SENSORS TO ENSURE ACCURATE MEASUREMENTS. THE OUTPUT SIGNAL FROM THE PRESSURE SENSOR IS PROCESSED, AMPLIFIED, AND TRANSFERRED TO A MICROPROCESSOR, WHICH THEN DISPLAYS THE ACTUAL PRESSURE VALUE ON THE LCD INDICATOR.

MAIN SPECIFICATIONS

PRESSURE RANGE	0 - 700 BAR
ACCURACY	0.5% OF FULL SCALE (VFS)
OVERPRESSURE	150% OF FULL SCALE (VFS)
DISPLAY	LCD DISPLAY WITH 4-DIGIT NUMBERS
DIGIT SPEED	4 READINGS PER SECOND
AVAILABLE SCALE	MPA, BAR, PSI, KPA, AND KG/CM²
SCALE RANGES	1999 - 9999
BATTERY	9V DC
TEMPERATURE RANGE	-20°C TO +700°C

INSTALLATION

THE LAB-PG2 DIGITAL PRESSURE GAUGE SHOULD BE DIRECTLY MOUNTED VIA THE PROCESS CONNECTION. IN CHALLENGING SITUATIONS SUCH AS VIBRATION OR PULSATING PRESSURE, IT IS ADVISED TO INSTALL IT USING A HOSE.

NOTE: IF THE MEASURING RANGE OF THE PRESSURE GAUGE IS LESS THAN 1 BAR, IT MUST BE INSTALLED VERTICALLY. THE PEAK VALUE IS DISPLAYED IN THE LOWER LEFT.

OPERATION

- TO TURN ON AND OFF THE GAUGE: SHORT PRESS THE "ON/OFF" BUTTON.
- TO CHANGE THE UNIT OF MEASUREMENT: LONG PRESS THE "ON/OFF" BUTTON.
- TO RESET THE PEAK VALUE: SHORT PRESS THE "ZERO" BUTTON.

PRESSURE GAUGES

SETTINGS

- TO ACTIVATE THE MENU, PRESS "ZERO" AND "ON/OFF".
TO SET A VALUE TO 1000, PUSH THE "ZERO" BUTTON.
CONFIRM THE VALUE BY PRESSING "ON/OFF".
- TO ACCESS PARAMETERS:
PRESS "ON/OFF".
TO CHANGE THE VALUE, BRIEFLY PRESS "ZERO".
TO MOVE BETWEEN DIGITS, PRESS "ZERO" FOR A LONGER DURATION.
PRESS "ON/OFF" TO CONFIRM AND SWITCH TO THE NEXT PARAMETER IN THE "ZERO" MENU.

PARAMETER LIST

- "LOCD" (PASSWORD): ENTER THE PASSWORD 1000 TO CHANGE VALUES.
- "OFFT" (AUTO-OFF TIME): SET THE TIME REQUIRED FOR AUTOMATIC TURN OFF FROM 01 TO 15 MINUTES. THE VALUE 00 MEANS ALWAYS ON.
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- "BCLT" (BACKLIGHT): SET THE BACKLIGHT INTENSITY FROM 01 TO 15. THE VALUE 00 MEANS ALWAYS OFF.
- "END-": 1 = CONFIRM THE CHANGES, = EXIT WITHOUT SAVING.

NOTICE

THE DIGITAL PRESSURE GAUGE SHOULD BE USED AND STORED WITHIN AN AMBIENT TEMPERATURE RANGE OF -20°C TO $+70^{\circ}\text{C}$.
THE RELATIVE HUMIDITY SHOULD BE LESS THAN 80%.
WHEN REPLACING THE BATTERY, PLEASE USE A 9V ALKALINE BATTERY (6LR61).