

K4517N14160D Digital Pressure Gauge

The K4517N14160D 1.75" digital pressure gauge is designed to handle a variety of industrial and commercial applications, which require air pressure measurement under normal indoor environmental conditions. This compact, user-friendly unit has a long-lasting battery life of 2+ years, and will stay on for a period of 5 minutes, prior to going into shut off/sleep mode. The unit can be field convertible to display PSI, bar, Mpa, kg/cm² units of measure and is accurate to within 1% of full scale. Note: Fluctuations in air pressure will be sensed with this device because of its sensitivity.



Specifications:

Power Supply:Battery CR2450 (3.0V, 500 mA)
Sampling Rate:1.2 sec. max.
Battery Life:2+ years for continuous use (typical).
Unit will stay on for 5 minutes prior to turning off.
Pressure Range:0 - 145 PSI (10 bar)
Burst Pressure:2x F.S.
Resolution:0.1 PSI, 0.01 bar, 0.001Mpa , 0.01kg/cm²
Working Temperature Range:-10°C - 60°C (10°F - 140°F)
Accuracy:±1% F.S. @ 22 - 28°C (72°F - 83°F)
Thread:1/4" NPT-M (Brass)
Media:Filtered Compressed Air
Unit of Measure:PSI, bar, MPA, Kg/cm²
Working Humidity:0 - 85%

Operation:

1. Press button to turn unit ON.
2. Press and hold button for 3 seconds to power OFF.
3. If the gauge has powered itself off, press black button to activate the unit and show the current pressure.
4. To change units of measure, press black button until desired unit of measure is displayed.
5. If battery power is not enough, the LCD will show "Lob" for around 3 seconds. The gauge will power off automatically. If the same situation occurs as power on, either replace battery or replace unit.

Pressure Re-Zeroed:

1. Power the gauge off.
2. Press and hold the button around 5 seconds and the display shows "8888". Release the button and complete the re-zeroed procedure after around 3 seconds.

Replace battery:

1. Loosen the 2 screws on the back of gauge.
2. Gently separate the top / bottom case and remove the CR2450 battery.

3. Replace new battery, paying close attention to proper battery polarity alignment.
4. The display will show the current pressure if the installation is correct.
5. If no display on LCD, check the polarity of battery, or power voltage (up to 3V).
6. Re-assemble the top / bottom case of the display. Note: Use the raised point on the top case to align with the bottom case.

Notes:

1. Do not run the re-zeroed function if the meter is connected to a pressurized airline.
2. When the pressure is increased greater than 1 PSI, the re-zeroed function is disabled to avoid mishandling action.
3. Re-zero unit in the current atmosphere to reduce error from environmental pressure fluctuations. This will improve the unit's accuracy.
4. Please be careful not to pull off the wire connected between the top and bottom case when disassembling.