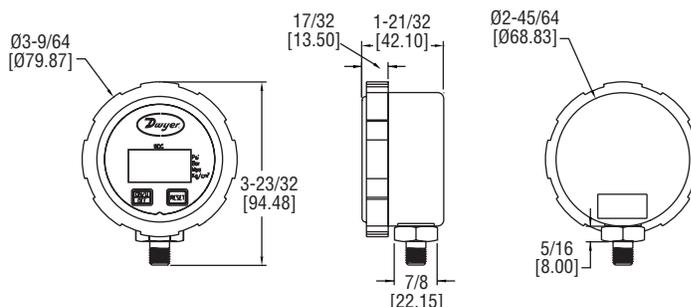




Series WDG Weatherproof Digital Pressure Gage

Specifications - Installation and Operating Instructions



The Series WDG Weatherproof Digital Pressure Gage measures gas and liquid pressure with high accuracy at an affordable price. Its rugged weatherproof design stands up to outdoor and industrial environments. The 4-digit backlit display with four selectable units makes readings easily visible to prevent reading errors. The WDG comes with 304L stainless steel wetted material for a wide range of compatible liquids and gases.

Location

Select a location where the gage can be easily read and the temperature will not exceed 140°F (60°C). The mounting surface to the gage should be free from excessive vibration. Be sure to use proper thread sealant when installing the gage.

Installation

When installing the gage, always use 7/8" hex wrench at the base of the housing to tighten the gage to a mating fitting. Be sure to use proper thread sealant when installing. Do not apply wrench to housing.

Key Functions

ON/U
OFF – On/Off/Unit Change

RESET – Reset Zero/Backlight

Operation

To turn on the gage, press **ON/U OFF**. This button also allows you to scroll through the units, which are located on the right side of the display. To reset zero, press and hold **RESET** for 2 seconds until display re-zeros. Press and hold **ON/U OFF** for 2 seconds to turn off the gage.

Battery Replacement

If the battery is low, the display will show "Lob" and turn off after 3 seconds. To replace the battery, unscrew the front plastic cover and remove the front LCD plate. Then remove the battery and replace with a new one, making sure that the (+) and (-) polarities match.

Calibration

To ensure accurate pressure readings, be sure to zero gage before first use. This eliminates readings to any change in atmospheric pressure. Only zero gage while it is disconnected from any fitting. It is recommended to re-zero gage once a year.

SPECIFICATIONS

Service: Compatible liquids and gases.

Wetted Materials: 304L SS.

Housing Materials: Fiberglass reinforced PP plastic.

Accuracy: $\pm 0.5\%$ FS for ranges up to 1000 psig (68.94 bar); $\pm 1\%$ FS for 5000 psig (344.74 bar) range.

Long Term Stability: $\pm 0.05\%$ FS/year.

Pressure Limits: 2X pressure range; Burst pressure: 3X pressure range.

Enclosure Rating: IP65.

Temperature Limits: 14 to 140°F (-10 to 60°C).

Thermal Effect: 0.04% FS/°C.

Size: 2.5" OD.

Process Connections: 1/4" male NPT.

Display: 4-digit LCD (1-1/4 x 5/8").

Power Requirements: 3 V CR123A lithium metal battery, installed functional, user replaceable.

Battery Life: 2 to 3 years typ.

Weight: 0.34 lb (0.15 kg).

MAINTENANCE/REPAIR

Upon final installation of the Series WDG no routine maintenance is required. The Series WDG is not field serviceable and should be returned if repair is needed. Field repair should not be attempted and may void warranty.

WARRANTY/RETURN

Refer to "Terms and Conditions of Sales" in our catalog and on our website. Contact customer service to receive a Return Goods Authorization number before shipping the product back for repair. Be sure to include a brief description of the problem plus any additional application notes.