

# WEATHERPROOF OR BRASS DIGITAL PRESSURE GAGE

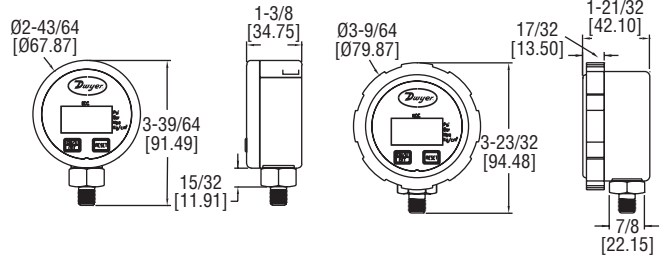
±0.5% FS Accuracy, Weatherproof, Economic Plastic Housing, Brass Wetted Parts



BDG



WDG



BDG

WDG

The **SERIES BDG-01** Brass Digital Pressure Gage measures gas pressure with ±0.5% FS accuracy at an affordable price. With brass wetted material, the series BDG is designed for your specific applications of compatible gases. Its design allows for easy installation. User-selectable units of measure let one gage be used for various pressure scales.

The **SERIES WDG** Weatherproof Digital Pressure Gage measures gas and liquid pressure with high accuracy at an affordable price. It's 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.

**FEATURES/BENEFITS**

- Brass wetted materials for use with compatible gases.
- Backlit display provides easy viewing of gage measurement.
- Selectable units provide readings in easily recognizable units for user.
- Well-suited gage for application designs specifying simple operation and accuracy.
- Rugged weatherproof enclosure enables a range of use outdoor or indoor where water is present.

**APPLICATIONS**

- Pneumatic
- Draft measurement
- Filter monitoring
- Industrial
- Outdoor
- HVAC roof-top
- Flow

OPTION	
Use order code:	Description
NISTCAL-PG1	NIST traceable calibration certificate

**SPECIFICATIONS**

**Service:** BDG: Compatible gases; WDG: Compatible gases and liquids.  
**Wetted Materials:** BDG: Brass and silicone sensor; WDG: 304L SS.  
**Housing Materials:** BDG: ABS plastic; WDG: Fiberglass reinforced PP plastic.  
**Accuracy:** BDG: ±0.5% FS; WDG: ±0.5% FS for ranges up to 1000 psig (68.94 bar); ±1% FS for 5000 psig (344.74 bar) range.  
**Long Term Stability:** ±0.05% FS per year.  
**Pressure Limits:** 2X pressure range; Burst pressure: 3X pressure range.  
**Enclosure Rating:** BDG: IP10; WDG: IP65.  
**Temperature Limits:** 14 to 140°F (-10 to 60°C).  
**Thermal Effect:** ±0.04% FS per °C.  
**Size:** 2.5" O.D.  
**Process Connection:** 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:** BDG: 0.29 lb (0.13 kg); WDG: 0.34 lb (0.15 kg).

MODEL CHART				
Model	Pressure Ranges			
	Range (psig)	bar	mPa	kg/cm <sup>2</sup>
BDG-01	0 to 150	10.342	1.034	10.545
WDG-01	0 to 50	3.45	0.34	3.52
WDG-02	0 to 100	6.89	0.69	7.03
WDG-03	0 to 300	20.68	2.07	21.09
WDG-04	0 to 500	34.47	3.45	35.15
WDG-05	0 to 1000	68.94	6.89	70.30
WDG-06	0 to 5000	344.74	34.47	351.5