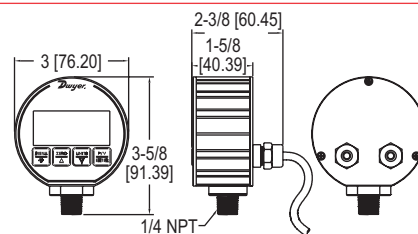


DIGITAL PRESSURE GAGE

3-in-1: Gage, Transmitter and Switch



The **Series DPG-200 Digital Pressure Gage** has a precise $\pm 0.25\%$ full-scale accuracy. The 4 digit digital display will reduce the potential for errors in readings by eliminating parallax error commonly produced with analog gages. The DPG-200 is packaged in a durable extruded aluminum case designed to meet NEMA 4X (IP66). The unit is powered by 12-24 VDC/VAC and contains two alarm set points along with a 4-20 mA process output. A four-button keypad allows easy access to features. These features include backlight, peak and valley, auto zero and conversion of the pressure units. Pressure ranges also in mbar, kg/cm², oz/in², in Hg, mm Hg, ft w.c. and ft sw for various models.

FEATURES/BENEFITS

- High accuracy provides exceptional measurement minimizing costly out of specification conditions
- Backlit 4-digit display provides clear parallax-free reading reducing potential for errors
- Durable aluminum case to meet NEMA 4X (IP66) requirements supports use in harsh or outdoor environments
- Push-button zero reduce installation and service time

APPLICATIONS

- Process control
- Compressor control

MODEL CHART						
Model	Range (psig)	Pressure Ranges				
		bar	ft w.c.	kPa	in w.c.	cm w.c.
DPG-200	-14.70-0	-1.013	-33.94	-101.4	-407.3	-1034
DPG-202	15.00	1.034	34.61	103.4	415.2	1055
DPG-203	30.00	2.069	69.21	206.9	830.4	2109
DPG-204	50.00	3.448	115.4	344.8	1384	3515
DPG-205	100.0	6.895	230.7	689.5	2768	7031
DPG-206	200.0	13.79	461.4	1379	5536	-
DPG-207	300.0	20.69	692.1	2069	8304	-
DPG-208	500.0	34.48	1154	3448	-	-
DPG-209	1000	68.98	2307	6895	-	-
DPG-210	3000	206.9	6921	-	-	-
DPG-211	5000	344.8	-	-	-	-

Compound range available: DPG-220 range: 30" Hg-0-15 psi.

SPECIFICATIONS

DIGITAL GAGE SPECIFICATIONS

Service: Liquids and non-combustible compatible gases.
Wetted Materials: Type 316L SS.
Enclosure: Black polycarbonate front & back cover, anodized aluminum extruded enclosure with recessed grooves, polycarbonate overlay, Buna-N O-rings, 316L SS sensor construction.
Accuracy: 0.25% FS ± 1 least significant digit (includes linearity, hysteresis, repeatability).
Pressure Limit: 2x pressure range for models ≤ 1000 psi; 5000 psi for 3000 psi range; 7500 psi for 5000 psi range.
Temperature Limits: 32 to 158°F (0 to 70°C).
Process Connection: 1/4" male NPT.
Display: 4 digit (.425" H x .234" W digits).
Size: 3.00" OD x 1.90" deep (not including cables).
Weight: 8.84 oz (275 g).

SWITCH SPECIFICATIONS

Switch Type: 2 SPDT form C contacts.
Electrical Rating: 0.5 A @ 125 VAC resistive, 1 A @ 24 VDC.
Relay Differential: 1 least significant digit.
Electrical Connections: 3 ft (.91 m) cable.
Mounting Orientation: Mount in any position.
Set Point Adjustment: Via menu.
TRANSMITTER SPECIFICATIONS
Temperature Limits: 0 to 158°F (0 to 70°C).
Thermal Effect: Between 70 to 158°F = 0.016%/°F. Between 0 to 70°F = 0.026%/°F.
Power Requirements: 12-24 VAC $\pm 20\%$, 50 to 400 Hz, 12-24 VDC $\pm 20\%$.
Output Signal: 4-20 mA.
Loop Resistance: 600 Ω max.
Power Consumption: 0.8 W max.
Electrical Connections: 3 ft (.91 m) cable.
Enclosure Rating: Designed to meet NEMA 4X (IP66).

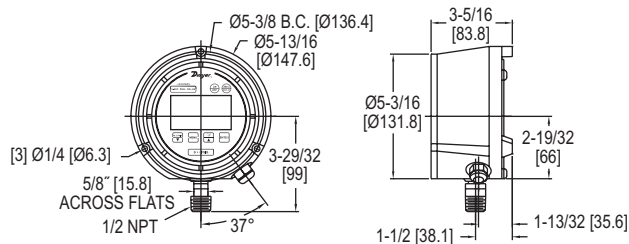
OPTIONS

Use order code:	Description
-NIST	NIST traceable calibration certificate

SERIES DSGT

DIGITAL INDICATING TRANSMITTER

$\pm 0.25\%$ Full-Scale Accuracy



The **Series DSGT Digital Indicating Transmitter** is a versatile multi-function process gage that features an excellent 0.25% full-scale accuracy. This all-in-one digital gage package is designed to reduce installation costs, instrument cost, and save space where an application requires a gage, transmitter, and switches. The Series DSGT gage comes standard with a loop-powered 4-20 mA transmitter. The Series DSGT gage is enclosed in a durable fiberglass reinforced thermoplastic case that is designed to meet NEMA 4 IP56 requirements. The gage features a menu-driven display for easy customization. User selectable features include 12 engineering units of measure, password protected calibration and disable functions, as well as an adjustable bar graph and update/dampening rates.

FEATURES/BENEFITS

- All-in-one digital gage package is designed to reduce installation costs, instrument cost, and save space where an application requires a gage, transmitter, and switches
- Durable fiberglass reinforced thermoplastic case to meet NEMA 4 (IP56) requirements supports use in harsh environments
- Password protected calibration and disable functions helps to insure no errors by untrained personnel

APPLICATIONS

- Process
- Outdoor
- Compressor
- OEM

MODEL CHART							
Model	Range (psig)	Model	Range (psig)	Model	Range (psig)	Model	Range (psig)
DSGT-101-C0S	30" Hg-0 to 15	DSGT-106-C0S	0 to 100	DSGT-109-C0S	0 to 300	DSGT-116-C0S	0 to 5000
DSGT-102-C0S	30" Hg-0 to 30	DSGT-107-C0S	0 to 160	DSGT-110-C0S	0 to 600	DSGT-117-C0S	0 to 8000
DSGT-104-C0S	0 to 30	DSGT-108-C0S	0 to 200	DSGT-112-C0S	0 to 1000	DSGT-118-C0S	0 to 10000
DSGT-105-C0S	0 to 60						

SPECIFICATIONS

GAGE SPECIFICATIONS

Service: Compatible, non-combustible liquids & gases.
Wetted Materials: 17 to 4 stainless steel sensor, 316 SS socket.
Housing Materials: Fiberglass reinforced thermoplastic case.
Accuracy: 0.25% FS (includes linearity, hysteresis, repeatability).
Pressure Limit: 2 x FS range.
Process Connection: 1/2" male NPT.
Display: 5 digit (0.88" high).

TRANSMITTER SPECIFICATIONS

Power Requirements: 12-36 VDC (loop powered).
Memory Back Up Supply: (2) C alkaline batteries, installed functional, user replaceable.
Output Signal: 4-20 mA.
Response Time: 100 ms.
Temperature Limits: 14 to 140°F (-10 to 60°C).
Thermal Effects: 0.04% FS/°F.
Electrical Connections: 3 ft flying leads.
Loop Resistance: DC; 0 to 1090 Ω max.
Set Point Adjustments: Adjustable through menu selections.
Weight: 1.45 lb (.66 kg).

OPTIONS

Use order code:	Description
NISTCAL-PT1	NIST traceable calibration certificate