

# HIGH-ACCURACY DIGITAL PRESSURE GAUGES

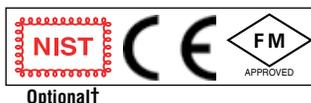
## TERMINAL POINT, TOTAL ERROR BAND ACCURACY

### FROM -18 to 66°C (0 to 150°F)

**Backlit  
Display  
Standard!**

**DPG7000** 0.05% Accuracy  
**DPG7010** 0.10% Accuracy  
**DPG7025** 0.25% Accuracy

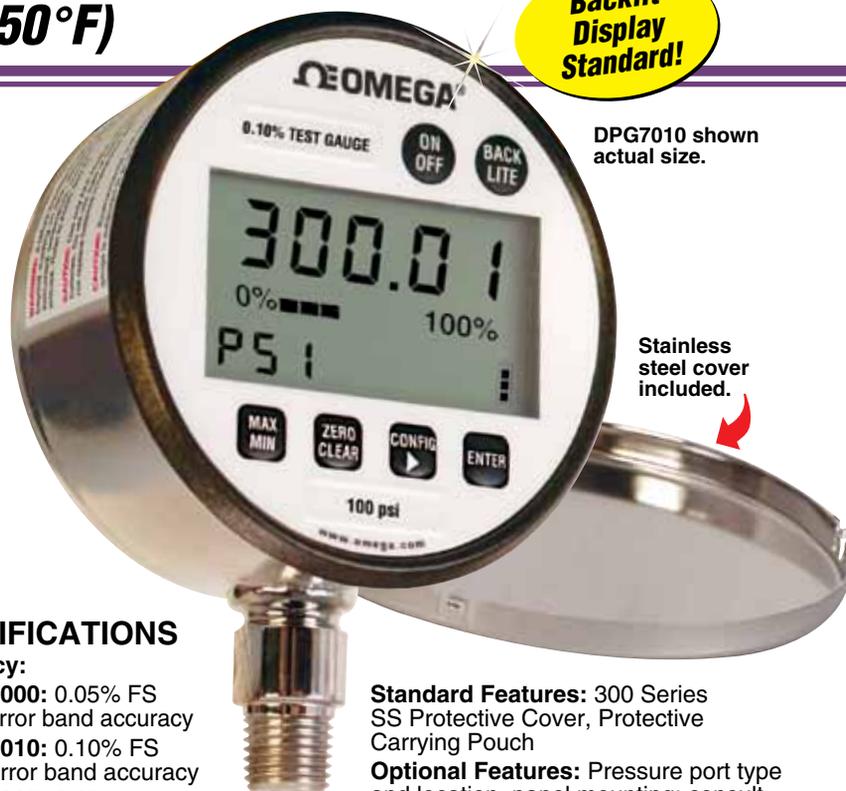
### DPG7010 Series



- ✓ 0.05, 0.10 and 0.25% FS Accuracy Models
- ✓ 12 User-Selectable Units of Measure
- ✓ Large 17 mm (0.66") Display with % of Range Bar Graph
- ✓ All Stainless Steel Wetted Parts and Case
- ✓ NEMA 4 (IP65) Weatherproof Case
- ✓ Programmable for 7 Languages

The DPG7000 Series comprises high-accuracy digital test gauges designed for the most demanding applications. These gauges feature a 0.05% total error band, which includes linearity, hysteresis, repeatability, and temperature effects from -18 to 66°C (0 to 150°F). The all stainless steel wetted parts and case carry a NEMA 4 (IP65) rating.

A variety of user-configurable options—including languages, update rate, dampening, backlight, and auto-off—greatly increase the DPG7000's versatility. All units include a stainless steel protective cover and carrying case. A 10-point individual calibration chart is standard with 0.05% accuracy units.



DPG7010 shown actual size.

Stainless steel cover included.

### SPECIFICATIONS

#### Accuracy:

**DPG7000:** 0.05% FS total error band accuracy  
**DPG7010:** 0.10% FS total error band accuracy  
**DPG7025:** 0.25% FS total error band accuracy

**Terminal Point:** Total error band (TEB) including hysteresis, linearity, repeatability and temperature from -18 to 66°C (0 to 150°F)

**Calibrate:** Zero and Span (password protected)

#### CASE

**Size:** 76 mm (3")  
**Material:** 300 Series Stainless Steel  
**Finish:** Electropolished  
**Rating:** Weatherproof, IP65, NEMA 4

**Wetted Parts:** 316 Stainless Steel

**Socket Size:** ¼ NPT Male

**Socket Location:** Lower (6 o'clock)

**Mounting:** Stem

**Operating Temperature:** -18 to 63°C (0 to 150°F)

**Storage Temperature:** -40 to 82°C (-40 to 180°F)

**Temperature Correction:** -18 to 63°C (0 to 150°F); included in accuracy specification

**Power:** 3 "AAA" alkaline batteries, included

**Battery Life:** >1000 hr

**Auto Off:** Five Options: Never, 2 min., 5 min., 15 min., 30 min.

**Agency Approvals:** CE EN 50082-1 (1997), FM

**Note:** FM approval not available on vacuum range and vacuum/15# ranges

**Calibration Chart:** 10 point individual calibration chart, standard for DPG7000; optional for DPG7010 and DPG7025 models

**Standard Features:** 300 Series SS Protective Cover, Protective Carrying Pouch

**Optional Features:** Pressure port type and location, panel mounting; consult engineering for details

#### DISPLAY

**Type:** LCD, with bar graph; backlight standard

**Display Digits:** 5, 99,999 counts

**Character Height:** 16.7 mm (0.66")

**Engineering Units:** psi, inHg, inH<sub>2</sub>O, ftSW, Bar, mBar, kPa, mPa, mmHg, cmH<sub>2</sub>O, mmH<sub>2</sub>O, kg/cm<sup>2</sup>

**Update Rate:** Four Options; 10x/sec, 5x/sec, 2x/sec, 1x/sec

**Dampening:** Five Options; None, average 2, 4, 6, 8 readings

**Language:** Seven Languages; English, Spanish, French, Italian, German, Portuguese, Dutch

**Backlight:** Five Options; On/off, 10 sec., 30 sec., 1 min., 5 min.

**Zero Disable:** Allows for disabling of Zero button

**Contrast:** Seven available options

**Disable:** Allows for "lock-out" of CONFIG options

#### KEYPAD FUNCTIONS

**On/Off:** Manually turns unit on and off

**Backlight:** Manually turns backlight on and off

**Minimum/Maximum:** Stores minimum and maximum values when displayed

**Zero/Clear:** Zeros display or clears minimum and maximum values when displayed

**Enter:** Selects items in configuration menu

**Config:** Configuration mode; allows scrolling through configuration menus to select available options

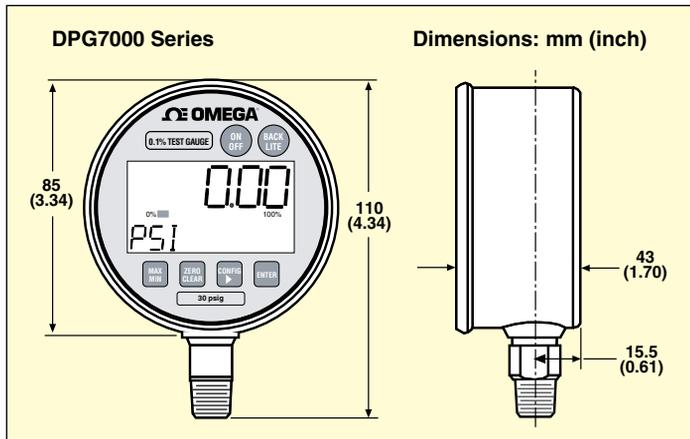
**AVAILABLE RANGES**

User-Selectable Ranges*	psi	Compound (psi)	kPa	Bar/KSC	Compound (bar)
	vac.	15 and vac.	-100/0	1	-1 to 0
	5	30 and vac.	25	1.6	-1 to 1
	10	60 and vac.	40	2.5	-1 to 2
	15	100 and vac.	60	4	-1 to 3
	30		100	6	-1 to 30
	60		160	10	
	100		250	16	
	160		400	25	
	200		600	40	
	300		1000	60	
	500			160	
	600			250	
	800			400	
	1000			500	
	2000				
	2500				
	3000				
	5000				
	7000				
mmH <sub>2</sub> O	mPa	mbar/cmH <sub>2</sub> O	Absolute (psia)		
3000	1	250	15		
5000	1.6	300	25		
10,000	2.5	400	50		
	6	500			
	40	600			
		1000			
		1600			
		2000			
		2500			
		4000			
		5000			
		6000			
		10,000			

\* Order psi range closest to full scale range of the units desired. The units selection is programmable via the front-panel buttons.

# HIGH-ACCURACY GAUGES

PRESSURE GAUGES **G**



## To Order

RANGE		MODEL NO.	MODEL NO.	MODEL NO.
psig	bar	0.25% ACCURACY	0.10% ACCURACY	0.05% ACCURACY
0 to -14.7	0 to -1	DPG7025-Vac	DPG7010-Vac	DPG7000-Vac
-14.7 to 15	-1 to 1	DPG7025-Vac/15	DPG7010-Vac/15	DPG7000-Vac/15
-14.7 to 30	-1 to 2	DPG7025-Vac/30	DPG7010-Vac/30	DPG7000-Vac/30
0 to 10	0 to 0.7	DPG7025-10	DPG7010-10	DPG7000-10
0 to 15	0 to 1	DPG7025-15	DPG7010-15	DPG7000-15
0 to 30	0 to 2	DPG7025-30	DPG7010-30	DPG7000-30
0 to 60	0 to 4	DPG7025-60	DPG7010-60	DPG7000-60
0 to 100	0 to 7	DPG7025-100	DPG7010-100	DPG7000-100
0 to 200	0 to 13	DPG7025-200	DPG7010-200	DPG7000-200
0 to 300	0 to 20	DPG7025-300	DPG7010-300	DPG7000-300
0 to 500	0 to 34	DPG7025-500	DPG7010-500	DPG7000-500
0 to 1000	0 to 69	DPG7025-1K	DPG7010-1K	DPG7000-1K
0 to 2000	0 to 138	DPG7025-2K	DPG7010-2K	DPG7000-2K
0 to 3000	0 to 207	DPG7025-3K	DPG7010-3K	DPG7000-3K
0 to 5000	0 to 345	DPG7025-5K	DPG7010-5K	DPG7000-5K
0 to 7000	0 to 483	DPG7025-7K	DPG7010-7K	DPG7000-7K

## ACCESSORY

MODEL NO.	DESCRIPTION
DPG7000-ABS-CASE	Weatherproof ABS gauge carrying case

Comes complete with stainless steel cover, padded carrying case and operator's manual. DPG7000 0.05% units also include NIST-traceable calibration certificate.

† To order DPG7025 or DPG7010 units with optional NIST traceable calibration certificate, add suffix "-NIST" to model number for additional cost.

**Note:** To order a range not shown in the "Most Popular Models" above, replace the range in the model number (the numbers and letters after the "-" with the range and units you need from the "Available Range" chart (i.e., DPG7010-25 psia is a 0 to 25 psi absolute gauge with 0.10% accuracy).

**Ordering Examples:** DPG7010-Vac/15, compound range, vacuum to 15 psi gauge digital pressure gauge, 0.10% accuracy.

DPG7025-100, 100 psi gauge pressure digital pressure gauge, 0.25% accuracy.