HIGH-ACCURACY DIGITAL PRESSURE GAUGES

OE OMEGA™

TERMINAL POINT, TOTAL ERROR BAND ACCURACY FROM -18 to 66°C (0 to 150°F)

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

DPG7010 Series

NIST | FM APPROVED

Optional†

Backlit Display Standard!

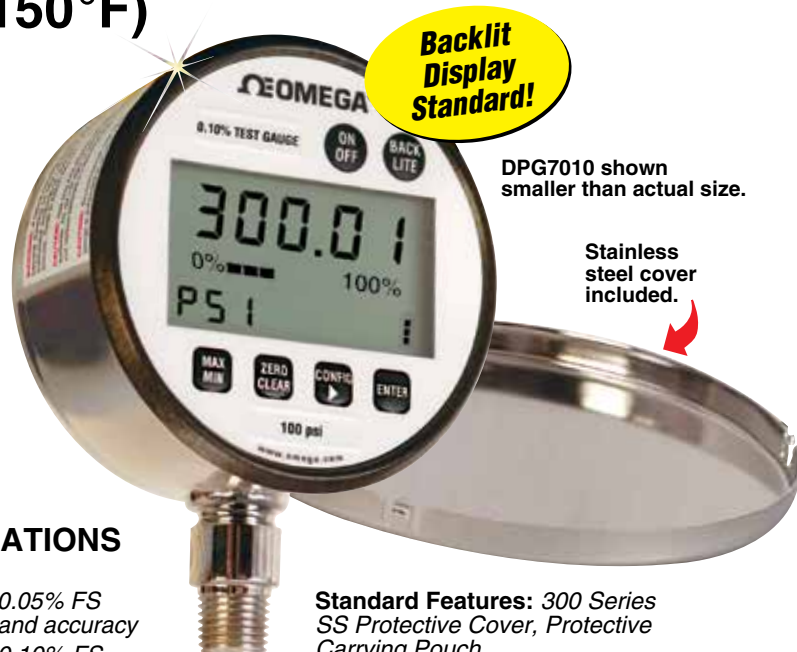**DPG7010 shown smaller than actual size.**

Stainless steel cover included.

- ✔ **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.

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, repeatablilty 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: *FM, CSA*
Note: *FM/CSA 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$_2$O, ftSW, Bar, mBar, kPa, mPa, mmHg, cmH$_2$O, mmH$_2$O, kg/cm^2*
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*
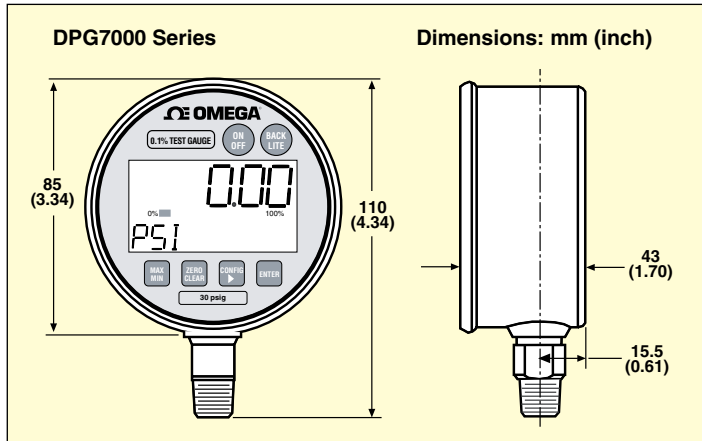
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AVAILABLE RANGES

<table>
<tr><td rowspan="2" style="vertical-align:bottom">User-Selectable Ranges*</td><td>psi</td><td>Compound (psi)</td><td>kPa</td><td>Bar/ KSC</td><td>Compound (bar)</td></tr>
<tr><td>vac.</td><td>15 and vac.</td><td>-100/0</td><td>1</td><td>-1 to 0</td></tr>
</table>

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				

*Left margin label: **User-Selectable Ranges***

mmH$_2$O	mPa	mbar/ cmH$_2$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

DPG7000 Series

Dimensions: mm (inch)

85 (3.34)
110 (4.34)
43 (1.70)
15.5 (0.61)

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.*