

General Purpose Digital Gauge Type DG42P $\pm 1/2\%$ of Span Terminal Point Accuracy

STANDARD FEATURES

The Weksler DG42P offers 0.5% of span accuracy, while the stainless steel sensor and socket make this product suitable not only for dry air applications but for other media as well.

This product offers selectable units of measure so rather than purchasing one gauge for each unit of measure required, the solution is one gauge for multiple units of measure.

The DG42P is standard with many features not offered, or offered only as options, on competitor's digital gauge products, such as peak hold and $4\frac{1}{2}$ digit display. When compared to mechanical gauges the DG42P offers overall enhanced value.

- Enhanced value versus mechanical gauges
- No-nonsense accuracy – $\pm 0.5\%$ full scale accuracy
- Easy-to-read – $4\frac{1}{2}$ digit display with $1\frac{1}{2}$ " character size, optional backlite display feature to enhance visibility
- Versatile – nine engineering units and stainless steel sensor suitable for a variety of applications
- Standard features – max.-pressure indication; ranges from vacuum to 19,999 psi, including compound
- Competitively priced and can be customized for OEM applications



PRODUCT SPECIFICATIONS

Type no.:	DG42P		
Accuracy:	$\pm 0.5\%$ of span		
Case Size:	2½"		
Case Material:	Noryl®		
Wetted Parts:	17-4 PH stainless steel sensor; 316 stainless steel socket		
Socket Size:	¼ NPT		
Connection:	Lower		
Ranges:	Vac. thru 19,999 psi (see engineering units below for other units of measurement)		
Battery:	Two AAA alkaline batteries; approximately 1000 hours battery life		
Overpressure:	Vac.	0/3000-	
	0/1000	0/5000	0/19,999
Proof:	200%	150%	120%
Burst:	800%	300%	150%
Cycle Life:	10 ⁸ cycles 20/80% F.S. with negligible performance loss		
Vibration:	Less than $\pm 0.1\%$ F.S. effect for 0/2000 Hz at 20 g's in any axis		
Shock:	Less than $\pm 0.05\%$ F.S. effect for 100 g's, 20msec shock in any axis		
Operating Temp.:	-10°C to 60°C (14°F to 140°F)		
Storage Temp.:	-20°C to 70°C (-4°F to 158°F) (maximum temperature shift is .028% per °F from -20°F to 180°F starting at 68°F. For vacuum and 30 psi ranges the maximum temperature shift is .04%)		
Update Rate:	100ms		
Agency Approvals:	CE EN 61326 (1998); CE EN 61326 Annex A (heavy industrial)		
Packaging:	Individual carton		
Opt'l. Features:	$\pm 0.25\%$ of span accuracy; backlite; 3, 9, 12 o'clock connections; Alternate socket configurations – upon application; Customized keypad; Protective boot; Bulk packaging		

DISPLAY

Type:	LCD	
Display Digits:	4½	
Display Resolution:	Full Scale Numerical Value	Display Resolution
	$\geq -15 < 0$	-XX.000
	$> 0 < 2$	X.0000
	$\geq 2 < 20$	XX.000
	$\geq 20 < 200$	XXX.00
	$\geq 200 < 2000$	XXXX.0
	$\geq 2000 < 19,999$	XXXXX
Character Height:	0.5"	
Backlight:	OFF by default	
Battery:	Four-level battery indication	

KEYBOARD FUNCTIONS

On/Off:	Manually turns unit on and off (four options: never, 5 min., 10 min., 20 min.)
Backlite (optional):	Manually turns backlite on and off (four programmable auto on/off options)
Maximum (Peak Hold):	Displays max. value when activated
Zero/Clear:	Zeros display or clears max. value when activated
Engineering Units:	psi, in.Hg, cmHg, mmHg, kPa, MPa, bar, kg/cm ² , ftH ₂ O
Field Calibration:	Zero and span

CATALOG NUMBERS

Dial Size	2½"
Connection Location	Bottom
Connection NPT	¼
Range	
30"/0/vac.	W-DG42PVC4L
0-15 psi	W-DG42PPC4L
0-30 psi	W-DG42PPD4L
0-60 psi	W-DG42PPE4L
0-100 psi	W-DG42PPF4L
0-160 psi	W-DG42PPG4L
0-200 psi	W-DG42PPH4L
0-300 psi	W-DG42PPJ4L
0-600 psi	W-DG42PPM4L
0-800 psi	W-DG42PPO4L
0-1000 psi	W-DG42PPP4L
0-2000 psi	W-DG42PPS4L
0-3000 psi	W-DG42PPT4L
0-5000 psi	W-DG42PPV4L
0-10,000 psi	W-DG42PPY4L
0-15,000 psi	W-DG42PPZ4L
0-20,000 psi	W-DG42PP24L

TO ORDER SPECIFY 10 DIGIT CATALOG NUMBER FROM TABLE ABOVE

W-DG42P GAUGE DIMENSIONS

