

STANDARD FEATURES

Movement: Precision design, stainless steel rotary gear type. Wear-resistant, and virtually frictionless for long, accurate service.

Dial & Pointer: Mirrored dial and balanced knife-edge aluminum pointer permits reading without parallax error. Dial surface is white, with black numerals and graduations in a full 270° arc. Graduation lines are same width as the knife edge on pointer.

Dial Sizes: 4½", 6"

Connection Location: ¼ or ½ male NPT

Case: Choice of two black enameled die cast aluminum cases, solid front, safety type

Style 4: Back flanged type, bayonet ring, for surface or direct mounting. Bottom connected.

Style 6: Hinged front flush mount type, back connected.

Test Gauges are designed specifically for periodic bench testing and recalibration of production type gauges. They are also recommended for use in test cells such as on research projects, and as portable instruments for field inspectors and traveling engineers. Test gauges are not suggested for continuous duty in service installations.


STANDARD RANGES

RANGE CODE	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PC	0/15 psi	1 psi	0.05 psi
PD	0/30 psi	2 psi	0.10 psi
PE	0/60 psi	5 psi	0.20 psi
PF	0/100 psi	5 psi	0.50 psi
PG	0/160 psi	10 psi	1.0 psi
PH	0/200 psi	10 psi	1.0 psi
PJ	0/300 psi	20 psi	1.0 psi
PK	0/400 psi	20 psi	2.0 psi

STANDARD RANGES

RANGE CODE	DIAL RANGES	FIGURE INTERVALS	SMALLEST GRADUATION
PM	600 psi	0/50 psi	2.0 psi
PO	800 psi	0/50 psi	5.0 psi
PP	1000 psi	0/50 psi	5.0 psi
PR	1500 psi	0/100 psi	5.0 psi
PS	2000 psi	0/100 psi	10.0 psi
PT	3000 psi	0/200 psi	10.0 psi
PV	5000 psi	0/500 psi	20 psi
PY	10,000 psi	0/1000 psi	50 psi

BOURDON TUBE AND SOCKET

CATALOG NO.	BOURDON TUBE & SOCKET MATERIAL	DIAL SIZE
TA14 ⁽²⁾	Phosphor Bronze	4½"
TA16 ⁽²⁾	Tube, Brass Socket	6"
TA24	K Monel Tube, and Socket	4½"
TA26		6"

NOTES:

- (1) The accuracy of measurement is influenced by the ambient temperature. The Weksler test gauge is calibrated to be accurate to within ¼ of 1% of full scale range at 77°F. (25°C). Using the gauge in ambient temperatures other than this requires the application of a correction of 0.02% of the indicated pressure for each 1°F. The correction is minus if the temperature is higher and plus if lower than 77°F.
- (2) 0/400 psi maximum range.
- (3) Refer to page 26 for case dimensions.

HOW TO ORDER

T A 1 4 4 P K 4 L W

1. Basic 4-digit Catalog No. From Table Above _____
2. Case Style "4" (Bottom Connection) or "6" (Back Connection) _____
3. Range Code From Range Tables Above _____
4. Thread Size: 4 = ¼ NPT Male (Standard); 2 = ½ NPT Male _____
5. Connection Location: L = Lower (Bottom); or R = Rear (Back) _____
6. Dial Color: W = White (Standard), B = Black (Optional) _____

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:	2 1/2"		
Case Material:	Noryl®		
Wetted Parts:	17-4 PH stainless steel sensor; 316 stainless steel socket		
Socket Size:	1/4 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 170°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		

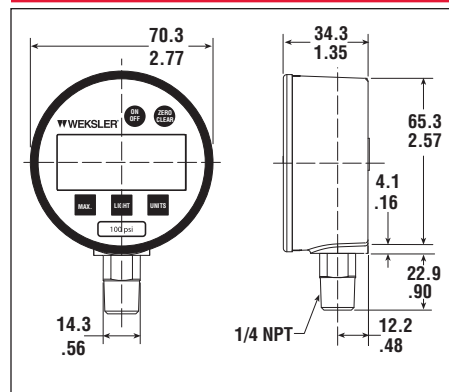
DISPLAY

Type:	LCD	
Display Digits:	4 1/2	
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

W-DG42P GAUGE DIMENSIONS



CATALOG NUMBERS

Dial Size	2 1/2"
Connection Location	Bottom
Connection NPT	1/4
Range	
30"/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

OPTION

Gauge Boot Installed	
Color	Code
Black	XB1
Orange	XB2