



SERIES: DG60

TEST GAUGE

- **ACCURACY 0.25%**
- **4-DIGIT LCD DISPLAY**
- **EXCELLENT STABILITY**
- **STAINLESS STEEL CASE**
- **IP65 PROTECTION (WASHABLE)**
- **TEMPERATURE COMPENSATION**
- **FOUR SELECTABLE PRESSURE UNITS**
- **LONG SERVICE LIFE AND GREAT STABILITY**
- **EXCELLENT SHOCK AND VIBRATION RESISTANCE**
- **CAN BE CALIBRATED FOR ZERO AND SPAN AT THE SITE**
- **AVAILABLE RANGES: VACUUM TO 60 MPa, 600 bar OR 8000 psi**

**0.25%
ACCURACY**



INTRODUCTION

Indumart *DG60 Series* of Battery Powered Digital Pressure Gauges / Test Gauges are high-accuracy, high-resolution pressure indicators.

Because of their robust design, these gauges meet stringent demands and can be used in critical industrial applications where particular importance is attached to measuring accuracy and reproducibility. These gauges show a high level of resistance to mechanical shocks and vibrations.

The electronics and sensing element of the *DG60 Series* are housed in a 75 mm (3 inch) diameter, stainless steel case.

Depending upon the required pressure, the measuring element is a stainless steel thin film, silicon piezoresistive or an alumina ceramic strain gauge. The built-in temperature compensation assures an accurate pressure measurement with temperature variations. Moreover, the instrument can be easily re-calibrated by the user at the site.

The pressure value is indicated in any of the four different pressure units (bar, psi, kPa, MPa); selectable by the user at the site, on a large 4-digit LCD display. When there is no need for pressure indication, the instrument can be turned off by the user to increase the life of the battery.

Sensor	Code	Range			
		bar	kPa	MPa	
St. Steel	V1	-1...0	-100...0	-0.1...0	
	C1	-1...+1	-100...+100	-0.1~+0.1	
	C3	-1...+3	-100...+300	-0.1~+0.3	
	C5	-1...+5	-100...+500	-0.1~+0.5	
	C7	-1...+9	-100...+900	-0.1...+0.9	
	00	0~0.2	0...20	0~0.02	
	01	0~0.4	0...40	0~0.04	
	02	0~0.6	0...60	0~0.06	
	03	0...1	0...100	0~0.1	
	04	0...2	0...200	0~0.2	
	05	0...4	0...400	0~0.4	
	06	0...6	0...600	0~0.6	
	07	0...10	0...1000	0...1	
	Ceramic	08	0...20	0...2000	0...2
		09	0...30	0...3000	0...3
		10	0...40	0...4000	0...4
11		0...60	0...6000	0...6	
St. Steel	13	0...100		0...10	
	14	0...250		0...25	
	15	0...400		0...40	
	16	0...600		0...60	

Sensor	Code	Range (psi)	
		V2	vac...0
St. Steel	C2	vac...+15	
	C4	vac...+30	
	C6	vac...+60	
	C8	vac...+100	
	20	0...3	
	21	0...5	
	22	0...10	
	23	0...15	
	24	0...30	
	25	0...60	
	Ceramic	26	0...100
		27	0...200
		28	0...300
		29	0...500
		30	0...800
		31	0...1000
32		0...1500	
St. Steel		33	0...3000
		34	0...5000
		35	0...8000

For special ranges, please use the code XX and mention the range in the order.

SPECIFICATIONS

Accuracy	0.25% of full scale
Sensor	Thin film (>7 MPa) Piezoresistive (<0.6 MPa) or Ceramic strain gauge (0.6 MPa to 7 MPa ranges)
Case Material	304 St. steel
Case Diameter	75 mm (3") nominal
Connection	Bottom
Display	4-digit LCD; 16 mm high
Pressure Units	MPa, kPa, bar & psi
Measurement Res.	14 bit
Sampling Time	0.1 second
Process Connection	316 St. steel ½", ¼", M20x15 and other
Pressure Ranges	Positive, negative and compound
Over Pressure	2 x full scale
Power Supply	3 V cell button battery (CR2450)
Medium Temperature	-10...70°C
Ambient Temperature	-10...70°C
Temp. Compensation	-10...70°C
Environ. Protection	IP65

ORDER CODES

Model DG60 - -

RANGE

Select a range from the table

PROCESS CONNECTION

½" NPT male
¼" NPT male
G ½ male
G ¼ male
M20x1.5 male
Other

0
1
2
3
4
X

Indumart reserves the right to change the specifications without prior notice.

**Also Available: Indicating Pressure Transmitter/Switch
4...20 mA Output, 2x3A Relays, 4-Digit, 20-mm LED Display.**



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