

Features

- Piezo Resistive Sensor
- Measuring Range : 0.1 to 1000 bar
- Indication Through LCD
- Display Auto Shut-Off Facility
- Battery Operated, Solar Powered
- Reliable and Cost Effective
- Unit Conversion Facility
- Zero Tare Facility

Description

Electronet series PG-20 is Digital Pressure Gauges for fast, easy & trouble free operation. These can be cost effective & ideal for monitoring the pressure. Display shut-off facility is provided so that display can be made 'ON' only if required through push button. Thus it saves the battery power and results in long lasting battery operation.



Functional Specifications

Sensor Type	Piezo Resistive
Pressure Range	AP URL : From 100 kPa to 600 kPa & GP URL : From 70 Kpa to 100000 kPa
Power Supply	Battery Operated, Solar Powered
Display	LCD Display
Display Lock	Display can be made ON by pressing 'ON' Key on front fascia Display ON duration programmable
Battery Back up Time	1 to 5 years based on sampling & messaging frequency
Communication Output	Output 1: RS485 (MODBUS RTU) Output 2 : GSM, GPRS
Accuracy	± 0.25% F. S. (Including Linearity, Repeatability & Hysteresis) *In case of remote seal process connection the accuracy will be less than +/-1% F. S.
Response Time	< 200 mSec
Burst Pressure	3 times max. Pressure range
Over Pressure Safety	2 times of Max. pressure range
Temperature Compensation	Inbuilt
Operating Temperature	Temperature : -20 to 55 °C / Humidity : 5 to 95% non condensing
Temperature Coefficient	± 0.01% per °C
Process Temperature	-20 to 120°C max
Process Connection	A. 1) Threaded: 1/4" NPT, 2) 1/2" NPT, 3) 1/4" BSP, 4) 1/2" BSP B. 2) Flush Diaphragm (Tri Clover), 2) Flush Diaphragm (½" BSP)
Process Connection Point	1) Bottom, 2) Rear
Mounting	Direct Line mount
MOC Electronics Enclosure	SS / Die cast Aluminum
Diaphragm MOC	Hastelloy C / SS316L
Sensor MOC	SS316 / Hastelloy C
Area Classification	Field Mount Weather Proof IP65
Fill Fluid	Silicon Oil
Weight	1 kg (Approximate)
CE Marking	Provided 

Assembly Overview Details

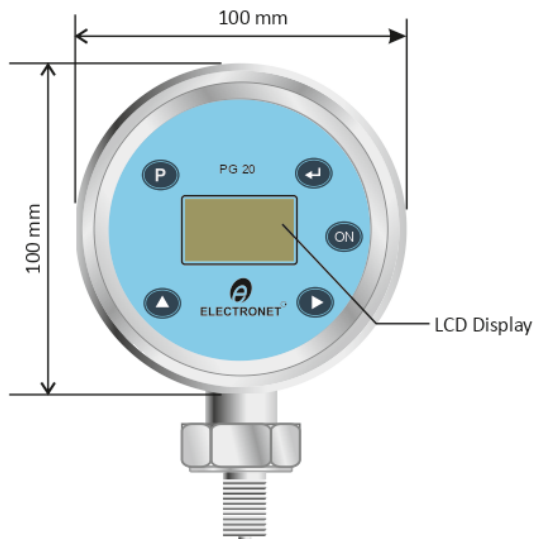


Fig 1 Front View

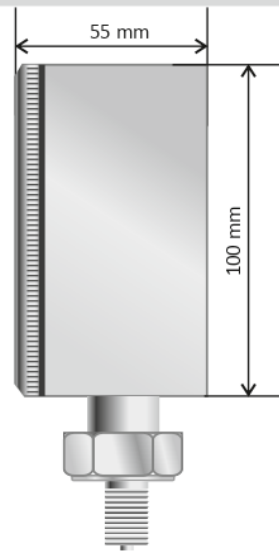


Fig. 2 Side View

Ordering Information

Sample Order Code : PG 20-A1-B1-C1-D1-E1-F1-G1-H1-I1

Parameter	Code	Description	Parameter	Code	Description
A	A1	AP	E	E1	SS-316L
	A2	GP		E2	Hastelloy C
	NA	DP		EY	Other
B	B1	10 Kpa	F	F1	Silicon Oil
	B2	35 kPa		FY	Other
	B3	70 kPa	G	G1	SS-316
	B4	100 kPa		G2	Hastelloy C
	B5	250 kPa		GY	Other
	B6	400 kPa	H	H1	Buna - N
	B7	600 kPa		H2	Ethylene - Propylene
	B8	1000 kPa		H3	Teflon
	B9	1600 kPa		H4	Viton
	B10	2500 kPa	I	I1	¼" NPT (M)
	B11	4000 kPa		I2	½" NPT (M)
	B12	6000 kPa		I3	¼" BSP (M)
	B13	10000 kPa		I4	½" BSP (M)
	B14	16000 kPa		I5	¼" NPT (F)
	B15	25000 kPa		I6	½" NPT (F)
	B16	40000 kPa		I7	¼" BSP (F)
	B17	60000 kPa		I8	½" BSP (F)
	B18	100000 kPa		I9	Flush Diaphragm (Triclover)
C	C1	RS-485		I10	Flush Diaphragm (1" BSP)
	CX	NA		IY	Other
D	D1	GSM	Note : - Due to our continuous product revisions, design specification and model numbers are subject to change without notice. - Accuracy defined at Lab Conditions. - For other requirement please consult factory. - This product is meant for laboratory/Process application only and not for custody transfer application.		
	D2	GPRS			
	DX	NA			

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