

Features

- Piezo Resistive Sensor
- Measuring Range : 0.1 to 1000 bar
- Indication Through LCD
- Display Auto Shut-Off Facility
- Battery Operated
- 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
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 70 °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. 1) Flush Diaphragm (Tri Clover), 2) Flush Diaphragm (1/2" 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

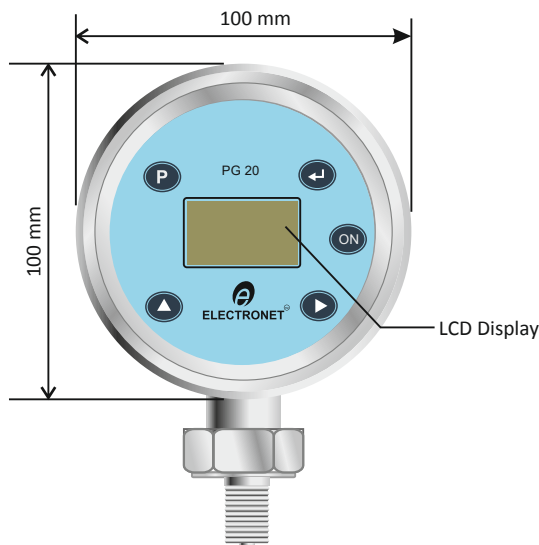


Fig 1 Front View

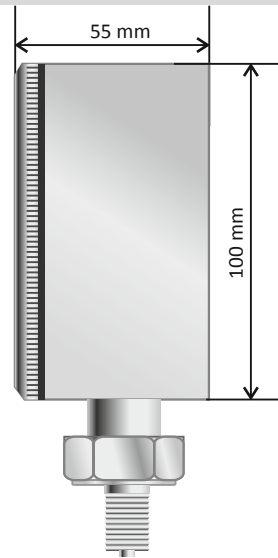


Fig. 2 Side View

Ordering Information

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

	Parameter	Code	Description
A	Measurement Type	A1	AP
		A2	GP
		NA	DP
B	Pressure Range	B1	10 Kpa
		B2	35 kPa
		B3	70 kPa
		B4	100 kPa
		B5	250 kPa
		B6	400 kPa
		B7	600 kPa
		B8	1000 kPa
		B9	1600 kPa
		B10	2500 kPa
		B11	4000 kPa
		B12	6000 kPa
		B13	10000 kPa
		B14	16000 kPa
		B15	25000 kPa
		B16	40000 kPa
		B17	60000 kPa
		B18	100000 kPa
		C	Communication Output 1
CX	NA		
D	Communication Output 2	D1	GSM
		D2	GPRS
		DX	NA

	Parameter	Code	Description
E	Diaphragm Material	E1	SS-316L
		E2	Hastelloy C
		EY	Other
F	Sensor Fill Fluid	F1	Silicon Oil
		FY	Other
G	MOC of Sensor, Flange, Adapter & Drain Vent Valve	G1	SS-316
		G2	Hastelloy C
		GY	Other
H	O Ring Material	H1	Buna - N
		H2	Ethylene - Propylene
		H3	Teflon
		H4	Viton
I	Process Connection (In SS-316)	I1	¼" NPT (M)
		I2	½" NPT (M)
		I3	¼" BSP (M)
		I4	½" BSP (M)
		I5	¼" NPT (F)
		I6	½" NPT (F)
		I7	¼" BSP (F)
		I8	½" BSP (F)
		I9	Flush Diaphragm (Triclover)
		I10	Flush Diaphragm (1" BSP)
IY	Other		

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.

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