ELECTRONET™

PG - 20

PRESSURE GAUGE

CE

www.eeplindia.com

FEATURES

- Piezo Resistive Sensor
- Measuring Range - 1 to 700 bar
- Indication Through LCD
- Display Auto Shut-Off Facility
- Battery Operated, Solar Powered
- Reliable and Cost Effective
- Unit Conversion Facility
- Zero Tare Facility

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.

Technical Specifications

Sensor Type	Piezo Resistive
Pressure Range	**AP URL :** From 0.1885 to 300 psi & **GP URL :** From 0.1885 to 10000 psi
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)
	C. 5 Mtr Capillary (1", 2" 3" Flanged)
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 CE

Product Drawing & Dimensions

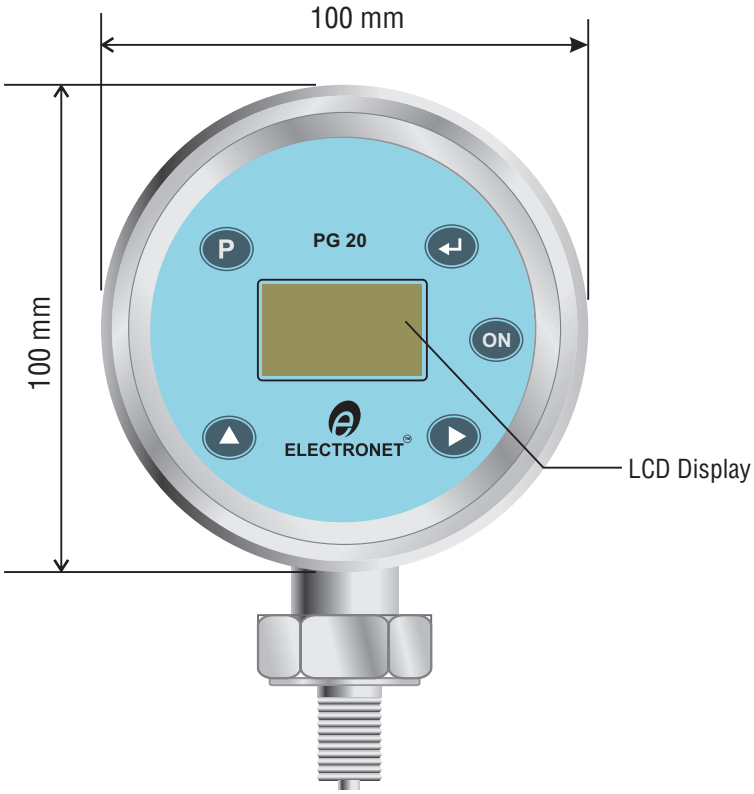

Fig 1 Front View

Assembly Overview Details

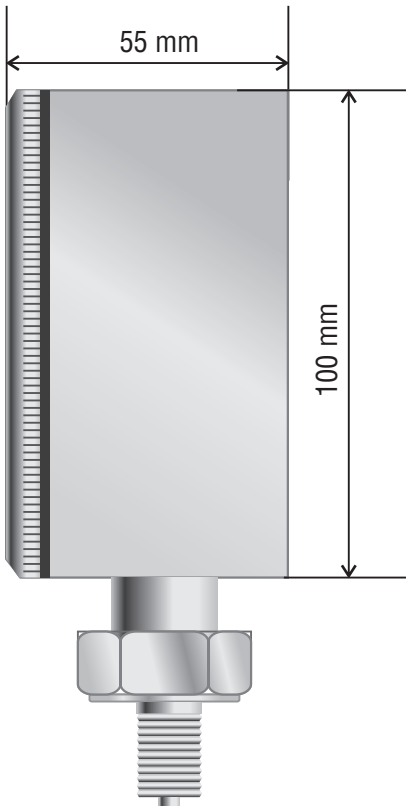

Fig. 2 Side View

Ordering Information

Sample Order Code :

A1	B2	D2	F2	G1	I1	J2	L1	M1	N2	O3	P6	R1

Parameter		Code	Description
A	Measurement Type	A1	AP
		A2	GP
B	Pressure Range	B1	0.1885 psi
		B2	1.16 psi
		B3	5.801 psi
		B4	29.007 psi
		B5	100 psi
		B6	300 psi
		B7	1000 psi
		B8	3000 psi
		B9	6000 psi
		B10	10000 psi
AP URL : From 0.1885 to 300 psi & **GP URL :** From 0.1885 to 10000 psi			
D	Power Supply	D2	Battery Operated
		D3	Solar Powered
F	MOC Electronics Enclosure	F1	Aluminum Die Cast
		F2	SS316
		F3	ABS Plastic
G	Electrical Connection	G1	M 20 x 1.5 (F)
		G2	½" NPT (F)
		G3	DIN 43650 Connector
		GY	Other
I	Communication Output 1(Any one)	I1	RS485 (MODBUS RTU)
		IX	NA
J	Communication Output 2 (Any one)	J1	GSM
		J2	GPRS
		JX	NA

Parameter		Code	Description
L	Diaphragm Material	L1	SS316L
		L2	Hastelloy C
		LY	Other
M	Fill Fluid	M1	Silicon Oil
		MY	Other
N	MOC of Sensor, Flange, Adapter	N1	SS316
		N2	Hastelloy C
		NY	Other
O	O Ring Material	O1	Buna – N
		O2	Ethylene – Propylene
		O3	Teflon
		O4	Viton
P	Process Connection	P1	¼" NPT (M)
		P2	½" NPT (M)
		P3	¼" BSP (M)
		P4	½" BSP (M)
		P5	¼" NPT (F)
		P6	½" NPT (F)
		P7	¼" BSP (F)
		P8	½" BSP (F)
		P9	Flush Diaphragm (Triclover)
		P10	Flush Diaphragm (1" BSP)
		PY	Other
R	Process Connection Point	R1	Bottom
		R2	Rear

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.

Applications

Food Industry	Chemical Industry	Atomic Energy	Manufacturing Industry
Automation Industry	Thermal Power Energy	Process Industry	Water Treatment Industry

ELECTRONET EQUIPMENTS PVT. LTD.

Factory Address:
Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC,
Khandala, Dist.– Satara
Pin: 412 801, Maharashtra, India.

Registered Office:
Plot No. 84, 85, 86, Tiny Industrial Estate,
Kondhwa Budruk,
Pune–411 048, Maharashtra, India.

+91-20-26931476/2039 ho@eeplindia.com +91-20-26934122 www.eeplindia.com