ELECTRONET™

DPG - 20

DIFFERENTIAL PRESSURE GAUGE

CE

www.eeplindia.com

FEATURES

- Piezo Resistive Sensor
- Measuring Range +/- 0.1 to 25 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 DPG–20 is Digital Differential 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 & results in long lasting battery operation.

Technical Specifications

Sensor Type	Piezo Resistive
Pressure Range	±0.1 to 25 Bar
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	2 times max. Pressure range
Static Pressure	10 MPA
Temperature Coefficient	± 0.01% per °C
Operating Temperature	Temperature : –20 to 55 °C / Humidity : 5 to 95% non condensing
Temperature Compensation	Inbuilt
Process Temperature	–20 to 120°C max
Process Connection	A. 1) 1/4" NPT, 2) 1/2" NPT, 3) 1/4" BSP, 4) × 1/2"BSP
	B. 5 Mtrs. Capillary (1", 2", 3" Flanged)
Process Connection Point	1) Bottom, 2) Rear
MOC Electronics Enclosure	SS / Die cast Aluminum IP–65
Diaphragm MOC	Hastelloy C / SS316L
Sensor MOC	SS316 / Hastelloy C
Area Classification	Field Mount Weather Proof IP65
Electrical Connection	1) M 20 x 1.5 (F) 2) ½" NPT (F) 3) DIN 43650 Connector
Weight	1 kg (Approximate)
Fill Fluid	Silicon Oil
CE Marking	Provided CE

Product Drawing & Dimensions

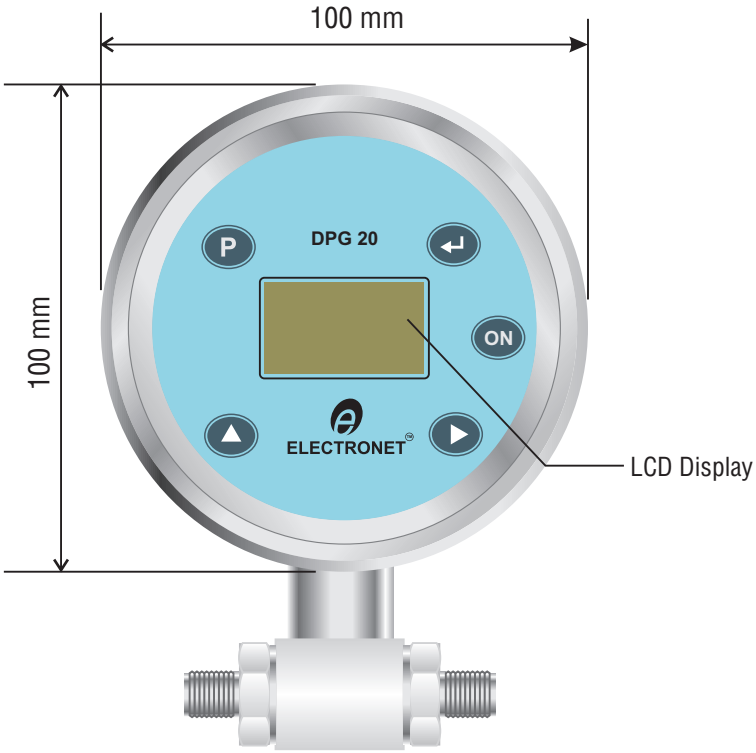

Fig 1 Front View

Assembly Overview Details

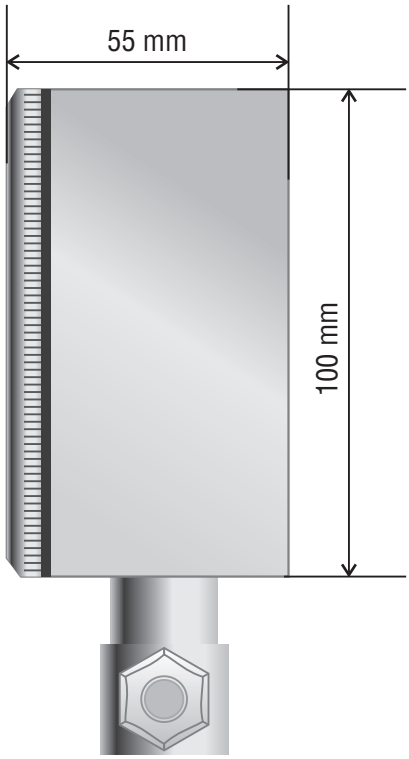

Fig. 2 Side View

Ordering Information

Sample Order Code :

B2	D2	F2	G2	I1	J2	L1	M1	N2	O3	P6	Q2	R1

Parameter		Code	Description
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
D	Power Supply	D2	Battery Operated
		D3	Solar Powered
F	MOC Electronics Enclosure	F1	Aluminium Dia Cast
		F2	SS316
		F3	ABS Plastic
G	Electrical Connection	G1	M 20 x 1.5 (F)
		G2	½" NPT (F)
		G3	DIN 43650 Connector
I	Communication Output 1(Any one)	I1	RS485 (MODBUS RTU)
		IX	NA
J	Communication Output 2 (Any one)	J1	GSM
		J2	GPRS
		JX	NA
L	Diaphragm Material	L1	SS316L
		L2	Hastelloy C
		LY	Other
M	Fill Fluid	M1	Silicon Oil
		MY	Other

Parameter		Code	Description
N	MOC of Sensor	N1	SS316
		N2	Hastelloy C
		NY	Other
O	O Ring Material	O1	Buna – N
		O2	Ethyline – 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)
		PY	Other
Q	Mounting Brcket	Q1	MS
		Q2	SS316
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