

TG 20

BATTERY OPERATED TEMPERATURE GAUGE



Features

- Local or Remote Sensor
- Display Auto Shut-Off facility
- Battery Operated
- Electronics Protection Class : Weatherproof IP65, IP67
- Unit Conversion °C / °K / °F
- Handy and Maintenance Free

Description

Electronet series TG-20 are digital temperature gauges for fast, easy & trouble free operation. These can be cost effective & ideal for monitoring the temperature. 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

Type of Input	1) RTD	2) Thermocouple (J & K)
	3) Resistance	4) millivolt (0 to 100 mV)
Sensor Type	1) RTD PT-100, PT-200	
	2) Thermocouple (J & K)	
Temperature Sensor Immersion Length	25 mm, 100 mm, 300 mm, 500 mm	
Range	As per Input selection	
Display	LCD Display	
Accuracy	+/- 0.25% of F.S for TC Input	
	+/- 0.1% of F.S for RTD Input	
Process Pressure	100 Bar max	
Display Lock	Display can be made ON by pressing push button on Front Fascia	
	Display remain ON for 20 sec & then it will get OFF	
Power Supply	Battery Operated	
Battery Life	With Backlight : 1500 hrs & Without Backlight : 2000 hrs continuous operation	
Response Time	< 500 mSec	
Temperature Coefficient	+/- 0.01% per °C	
Enclosure	SS316 / Die Cast Aluminium	
Electronics Protection Class	Field Mount Weather Proof IP65	
Dimensions	100 mm (Diameter) x 55 mm / 140 mm (Depth)	
Mounting	2 Inch Pipe Mount, Direct Line Mount	
Process Connection	½" BSP (M) Standard / (other on request)	
Weight	1 Kg	
Ambient Conditions	Temperature -20 to 70°C / Humidity 5 to 95% non condensing	
Certification	CE	

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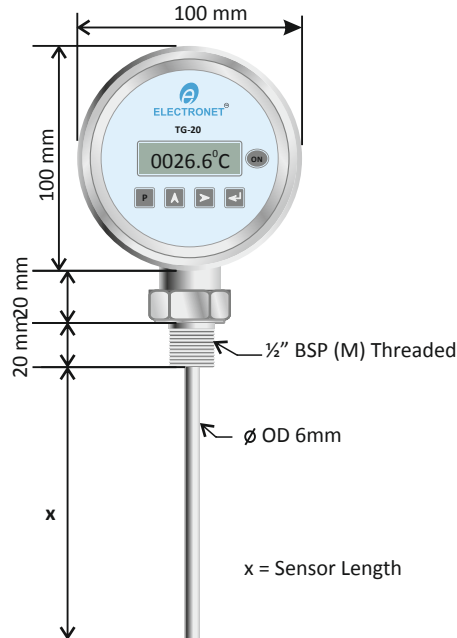


Fig 1 Front View

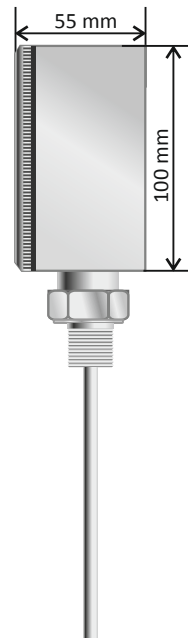


Fig. 2 Side View

Ordering Information

Sample Order Code : TG20- A1-B1-C1-D1-E1

	Parameter	Code	Description
A	Temperature Sensor Mounting	A1	Local
		A2	Remote
B	Sensor Length	B1	25
		B2	100
		B3	300
		B4	1000
C	Remote Cable Length	C1	5 Meter
		C2	10 Meter
		CY	Other

	Parameter	Code	Description
D	Communication Output	D1	GSM/GPRS
		DX	NA
		DY	Other
E	Process Connection (IN SS-316)	E1	¼" NPT (M)
		E2	½" NPT (M)
		E3	¼" BSP (M)
		E4	½" BSP (M)
		EY	Other

Note :

- Due to our continuous product revisions, design specification & 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.

ELECTRONET EQUIPMENTS PVT. LTD.



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