

TG - 20

DIGITAL TEMPERATURE GAUGE

Features

- Local or Remote Sensor
- Display Auto Shut-Off facility
- Battery Operated
- Electronics Protection Class : Weatherproof IP65, IP67
- Unit Conversion Facility
- Handy and Maintenance Free
- Reliable and Cost Effective

Description

BRIX 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 3) Resistance	2) Thermocouple (J & K) 4) millivolt (0 to 100 mV)
Sensor Type	1) RTD PT-100, PT-200 2) Thermocouple (J & K)	
Temperature Sensor Immersion Length	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 80 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 55°C / Humidity 5 to 95% non condensing	
Certification		

Dimensional Details

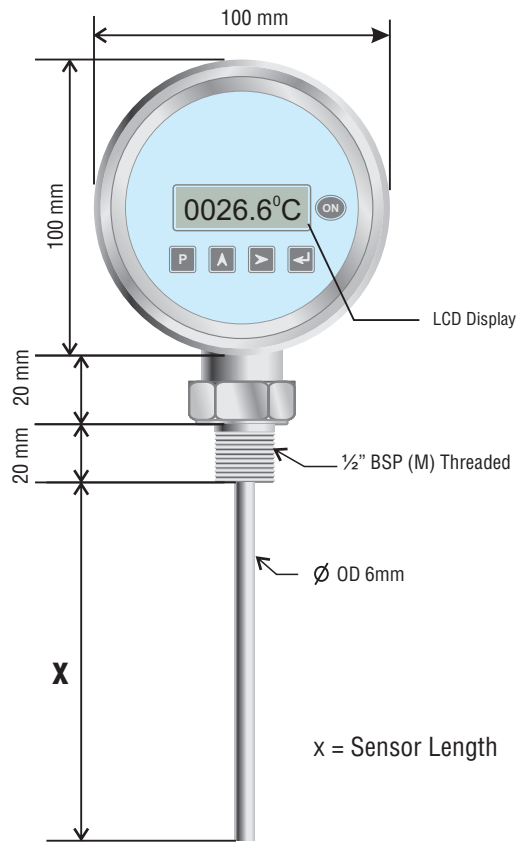


Fig 1 Front View

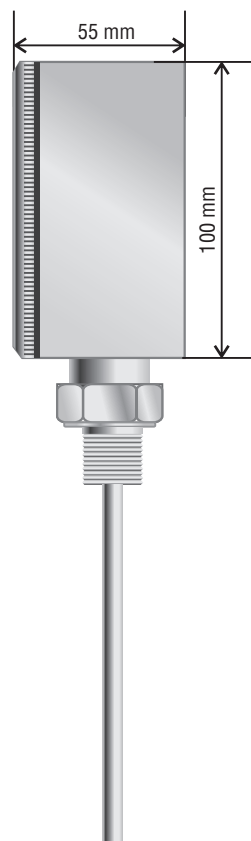


Fig. 2 Side View

Ordering Information

Sample Order Code :

TX 3	A2	B1	D1	E2	G1	H1	J2	K1	L4	M2	N2	O1
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Parameter	Code	Description	Parameter	Code	Description		
TX	Transmitter Mounting Type	TX 3	2 Inch Pipe Mount	J	Communication Output 1 (Any one)	J1	RS485 (MODBUS RTU)
		TX 4	Direct Line Mount		J2	RS232	
A	Type of Input	A1	RTD	K	Communication Output 2 (Any one)	K1	GSM
		A2	Thermocouple			K2	GPRS
		A3	Resistance	L	Temperature Sensor Immersion Length	L1	100 mm
		A4	millivolt (0 to 100 mV)			L2	300 mm
B	Type of Input Sensor 1	B1	RTD PT-100	L3		500 mm	
		B2	RTD PT-200	LY		Other	
		B5	Thermocouple J Type	LX		NA	
		B6	Thermocouple K Type	M	Temperature Sensor Diameter	M1	6 mm
BX	NA	M2	12 mm				
D	Electronics	D1	Integral (Local)			MY	Other
		D2	Remote	MX		NA	
E	Sensor Remote Cable Length	E1	5 Meter	N	Process Connection	N1	¼" NPT (M)
		E2	10 Meter			N2	½" NPT (M)
		E3	15 Meter			N3	¼" BSP (M)
		E4	25 Meter			N4	½" BSP (M)
		EX	NA			N5	1" ASA 150 FLANGE
G	MOC Electronics Enclosure	G1	Die Cast Aluminium			NY	Other
		G2	SS316			NX	NA
H	Electrical Connection	H1	M 20 x 1.5 (F)	O	Sensor & Process Fitting MOC	O1	SS316
		H2	½" NPT (F)			O2	Hastelloy C
		H3	DIN 43650 Connector			OY	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.