BIMETALLIC TEMPERATURE GAUGE
MODEL GX-BTG

DATA SHEET

GaugeX
— PRECISE AND ACCURATE —



Back Entry



Bottom Entry



Every Angle

PRODUCT OVERVIEW:-

GaugeX Bimetallic Temperature Gauge is designed for reliable local temperature indication in industrial process, piping, vessel, machinery, HVAC and utility applications. The instrument uses a bimetal coil sensing element and direct mechanical pointer indication. Construction and accuracy can be configured to suit the installation.

KEY FEAUTURES:-

- Bimetal coil sensing element
- Stainless-steel case and stem options
- Bottom / back connection configurations
- Wide selection of stem lengths and temperature ranges
- Optional thermowell and adjustable stem/dial
- Suitable for industrial process applications

APPLICATIONS:-

- Chemical & Petrochemical
- Oil & Gas
- Pharmaceutical
- Power Plants
- Food & Beverage | Water Treatment | HVAC | Process Industries | General Industrial Applications

REFERENCE STANDARD:-

EN 13190 - Dial thermometers. Accuracy Class 1 is specified for the standard industrial configuration shown below.

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TECHNICAL DATA SHEET:-	
Parameter	**Specification**
Model/ Type	GX-BTG/ Bimetallic Temperature Gauge
Operating Principle	Bimetallic sensing element
Nominal Dial Size	63, 100, 150 mm
Accuracy	±1.6% of FSD
Temperature Range	-40 to 600 °C *(as applicable)*
Process Connection	1/2" BSP(M) / 1/2" NPT(M) & other fixed or adjustable gland
Connection Position	Bottom / Back / Adjustable angle
Sensing Element	Bimetallic coil
Case & Bezel Material	SS 304 / SS 316
Stem Material	SS 304 / SS 316
Dial	Aluminum, white background with black markings
Pointer	Aluminum black center zero adj. pointer
Window	Toughened glass / Acrylic glass
Ingress Protection	IP 65
Stem Length	150 or 300 mm standard or as required by client
Thermowell	Optional
Maximum Ambient Temp.	80 °C
Response Time	Approximately 30–60 seconds
Scale	°C / °F / Dual scale
Calibration	Factory calibrated
Application	Process plants, chemical, pharmaceutical, food & beverage, HVAC, oil & gas, utilities
Warranty	12 Months

MODEL DECODIFICATION:-

Brand	Type	Dial Size	Wetted Parts	Mounting	Process Connection
GX	**BTG**	**63**	**S4**	**BE**	**2BM**
GaugeX	**Bi Metallic Temp. Gauge**	**(63)** 63 mm **(100)** 100 mm **(150)** 150 mm	**(S4)** Stem – SS 304, Gland – SS 304 **(S6)** Stem – SS316, Gland – SS 316	**(BE)** Bottom Entry **(BC)** Back Connection **(PB)** Panel Back **(SB)** Surface Bottom	**(4BM)** 1/4" BSP (Male) **(4NM)** 1/4" NPT (Male) **(38BM)**3/8" BSP (Male) **(2BM)** 1/2" BSP (Male)

EXAMPLE MODEL NUMBER:-

Model No.	Brand	Type	Dial Size	Wetted Parts	Mounting	Connection
GX-BTG-63-S4-BE-2BM	GaugeX	Bi Metallic TG	63 mm	Stem – SS 304, Gland – SS 304	Bottom Entry	½" BSP(M)