GAS FILLED TEMPERATURE GAUGE
MODEL GX-GFT

DATA SHEET

GaugeX
— PRECISE AND ACCURATE —



Bottom Entry



Back Entry



Capillary Type

PRODUCT OVERVIEW:-

The **GaugeX GX-GFT Gas Filled Temperature Gauge** is a robust mechanical temperature measuring instrument designed for accurate and reliable local temperature indication in industrial processes. It operates on the **gas-actuation principle**, in which an inert gas-filled sensing system responds to temperature variation and converts the resulting pressure change into pointer movement on the dial.

Types:-

1. Rigid Stem Type – Direct temperature measurement at the process point.

2. Capillary Type– Remote temperature indication where the gauge needs to be installed away from the measuring point.

KEY FEAUTURES:-

- Gas-filled measuring system with **Nitrogen (N_2)**
- **Accuracy: Class 1.0**
- Designed as per **EN 13190**
- SS 304 / SS 316 construction
- Available in **Rigid Stem & Capillary Type**
- Wide range of temperature ranges
- Clear and easy-to-read dial
- Different stem lengths and capillary lengths available
- Bottom / back entry mounting
- Thermowell and electrical contacts available as options

APPLICATIONS:-

- Chemical & Petrochemical Plants
- Oil & Gas Industries
- Power Plants
- Pharmaceutical Industries
- Food & Beverage Industries
- Water & Waste water plants
- Tanks, Pipelines & Process Equipment

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-GFT/ Gas Filled Temperature Gauge
Measuring Principle	Gas-actuated / gas expansion system
Nominal Dial Size	63, 100, 150 mm
Accuracy	± 1% of FSD
Temperature Range	-40 to 60°C up to 0 to 700°C
Process Connection	1/2" BSP(M) / 1/2" NPT(M) adjustable gland or other options on request
Connection Position	Bottom / Back / Adjustable angle / Capillary Type
Sensing Element	Bourdon Tube
Case & Bezel Material	SS 304 / SS 316
Stem Material	SS 304 / SS 316
Dial	Aluminum, white background with black markings
Pointer	Aluminum black micrometer zero adj. pointer
Window	Toughened glass / Acrylic glass / Polycarbonate Hood
Ingress Protection	IP 68
Stem Length	150 or 300 mm standard or as required by client
Thermowell	Optional
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	**GFT**	**63**	**S4**	**BE**	**2BM**
GaugeX	**Gas Filled 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 **(Cap)** Capillary	**(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-GFT-100-S6-BE-2BM	GaugeX	Gas Filled TG	100 mm	Stem – SS 316, Gland – SS 304	Bottom Entry	½" BSP(M)