



GTG

Industrial Thermometer
Filled System

FEATURES -

- Inert gas filled expansion system
- Stainless steel case & stem
- With or without thermowell
- Glycerin / Silicon Oil Filled
- External Zero / Electrical Contacts (Optional)
- Standard followed EN 13190

APPLICATION -

- Corrosive media / Environments
- Food & Beverages
- Pharmaceutical Industry
- Pulp & Paper Industry
- Refinery & Oil Exploration
- Cement & many more



Gas Filled
Bottom Entry

TECHNICAL SPECIFICATIONS -

Standard Version -

Nominal Dial Size: - Ø 100 mm (4"), Ø 150 mm (6"), Ø 200 mm (8"), Ø 250 mm (10"), Ø 300 mm (12")

Case & Bezel	: AISI 304 SS, Snap action bayonet type
Bourdon Material	: AISI 316 SS
Movement Material	: AISI 304 SS
Stem Material	: AISI 316 SS
Connection Material	: AISI 316 SS
Capillary Material	: AISI 304 SS
Capillary Protection	: AISI 304 SS Flexible
Joints	: Tig argon arc welded

Accuracy	: Class 1 as per EN 13190
Window	: Toughened Glass
Sealing Gasket	: Neoprene
Dial	: Aluminium, white background with black numerical spread over 270° arc
Pointer	: Aluminium, Black color micrometer zero adjustment
Blow Off Disc	: Neoprene, provided at back of case

Ingress Protection	: IP-65 as per IS / IEC 60529
Ambient Temperature	: -25°C ... +65°C
Operating Pressure	: 10 Kg/cm ² (without Thermowell)
Over Range Protection	: 120% of full span
Stem Diameter	: 8 mm (Standard)
Process Connection	: 3/8" BSP (M) (Standard)

Standard Version : Electrical Contacts (Ø 100 mm (4") & Ø 150 mm (6"))

Accuracy	: ±1% of FS (Gauge) / ±2.5% of FS (Switch)
Ambient Temperature	: -25°C ... +65°C
Window	: Transparent Polycarbonate Dome
Contact Type	: Magnetic Snap Action
Contact Rating	: 230 VAC @1 Amp / 48 VDC @0.5 Amp
Contact Setting	: Through knob provided on window
Other Specifications	: Refer specifications of standard version

Standard Version : Liquid Filled (Option GF)

Accuracy	: Class 1 as per EN 13190
Ambient Temperature	: -25°C ... +65°C
Window	: Acrylic
Dampening Liquids	: Glycerin (99.7%)
Filling Plug	: Neoprene
Other Specifications	: Refer specifications of standard version

ORDERING INFORMATION -							EXAMPLE
Basic Code -							GTG
Nominal Dial Size -	Ø 100 mm (4")	Ø 150 mm (6")	Ø 200 mm (8")	Ø 250 mm (10")	Ø 300 mm (12")		XX
	10	15	20	25	30		
Mounting Style -							XXXX
BODM - Bottom, Direct mount							
BOSM - Bottom, Surface mount							
BCDM - Back, Direct mount							
BCPM - Back, Panel mount							
BCBR - Back, Bracket mount							
Process Connection -							XXXX
14BM - 1/4" BSP (M)							
14NM - 1/4" NPT (M)							
38BM - 3/8" BSP (M)							
38NM - 3/8" NPT (M)							
12BM - 1/2" BSP (M)							
12NM - 1/2" NPT (M)							
Process Connection Type -							XX
AD - Adjustable							
FX - Fixed							
Stem Diameter -							XX
06 - Ø 6 mm							
08 - Ø 8 mm							
10 - Ø 10 mm							
12 - Ø 12 mm							
Stem Length (Below Thread max. 1000 mm)							LENGTH
Please specify in mm	Minimum Stem length (Below Thread)		130 mm	120 mm	120 mm	110 mm	
	Stem OD		Ø 6 mm	Ø 8 mm	Ø 10 mm	Ø 12 mm	
Type -							XX
RS - Rigid Stem			DR - Distance Reading (Capillary Type)				
Capillary Length (In meters 1.5 = 1.5 Meter / 2.0 2 Meter)							CAPILLARY
Capillary Material -							XXX
CS4 - AISI 304 SS			CS6 - AISI 316 SS				
Armor (Capillary Protection) Material -							XXX
AS4 - AISI 304 SS		AS6 - AISI 316 SS		APV - PVC			
Optional (Extra) -							XX
S6 - AISI 316 SS Snap action bayonet case & bezel			GF - Glycerin Filled				
MR - Maximum Reading Pointer			CD - Custom Dial Design				
SG - Shatterproof Glass			EC - Electrical Contact				
Electrical Contacts (Available only in Ø 100 mm (4") & Ø 150 mm (6"))							XXX
1NO - Single, 1 Normally Open			1NC - Single, Normally Closed				
2NO - Double, Normally Open			2NC - Double, Normally Closed				
1OC - Double, Normally Open + Normally Closed			1CO - Double, Normally Closed + Normally Open				
Range -							RANGE
Please specify							

ORDERING EXAMPLE: - GTG - XX - XXXX - XXXX - XX - XX - LENGTH - XX - CAPILLARY - XXX - XXX - XX - XXX - RANGE