

Features

- Design according to EN 13190
- Hermetically sealed case bezel design
- Accuracy Class 1.6
- Quick response, high stability and accuracy
- Adjustment knob at glass for setting point
- All stainless steel material construction
- In-feld application with IP45 protection
- Temperature range up to 600°C (1100 °F)
- Sliding connection standard
- Standard dial dual unit ranges (°F & °C)
- Sensor length up to 600 mm
- Sensor diameter 6.3mm (standard), *8 and 10 mm



Technical Specification and Material



- Nominal Size
4" or 100 mm
- Accuracy Class
Class 1.6 to EN 13190
- Ingress Protection
IP 45
- Connection Size
Sliding connection standard
Size G $\frac{1}{4}$ ", G $\frac{1}{2}$ " or NPT
- Temperature Scale Range
-40°..+600 °C (-40°..+1100 °F)
- Sensing Element
Coiled bimetal sensing
- Filling
Dry, Not available for filling
- Operating Temperature
Ambient temperature -50°.. +120 °C
- Maximum Pressure with Thermowell
Maximum 25 Bar
- Bezel Ring Type
Hermetically sealed fastening type
Adjustment knob for setting point
- Dial Graduation
Standard in dual ranges°F and °C
- Casing and bezel
SS 304
- Sensor and Connection
SS316, standard Ø6.3 mm, others as option

Contact Types



Contact Capacity	Type O	Type OC	Type CO
1-3 : Upper limit 2-3 : Lower limit : Ground * Magnetic and Electric Contact : Electrical switch high capacity (Max.250V, 30W DC, 50VA) * Inductive contact, please consult with us..	Contact open above set point 	1st contact open & 2nd close above set point 	1st contact close & 2nd open above set point
	Type C Contact close above set point 	Type OO 1st contact open & 2nd open above set point 	Type CC 1st contact close & 2nd close above set point

Ordering Code



BRO THOTERM
GERMANY TECHNOLOGY

BTE500 <Temperature range>^① Mounting^② - Sensor L^③ - Connection^④ - Contact^⑤ *Option^⑥

① Temperature range (Single Std)	② Mounting Type	③ Stem Length in Inch (mm)	④ Connection size	⑤ Contact Function	⑥ Option
°F	D Direct mounting	Sensor length 2.5" (60mm) .. 24" (600 mm)	G2 1/2" BSP	O Contact open above set point	DX Sensor size, eg Ø8 mm - D8
°C	W Bottom mount, back flange (Wall)		N2 1/2" NPT	C Contact open above set point	SC SS316 case and bezel ring
-40° .. +140 °			G4 1/4" BSP	OC 1st open & 2nd close above set point	SM Other connection size
-40° .. +180 °			N4 1/4" NPT	OO 1st open & 2nd close above set point	DP Grog pointer, resetable with key
-32° .. +140 °				CO 1st open & 2nd close above set point	
-32° .. +210 °				CC 1st open & 2nd close above set point	
-32° .. +250 °					
-32° .. +300 °					
-32° .. +390 °					
-32° .. +570 °					
-32° .. +750 °					
-32° .. +930 °					
-32° .. +1100 °					