



Bimetal Thermometer

Heavy Duty

ACCURACY CLASS 1

Features

- Short response time
- Wide selection of standard
- Special versions to customer specification

Description

The measuring element of the bimetal thermometer is a quick reacting bimetal coil. It is manufactured from two cold-welded metal strips with different thermal expansion coefficients and rotates in proportion to temperature. The rotary movement is conveyed to the pointer with low function.


Ranges

- 30...50°C to 0...600°C

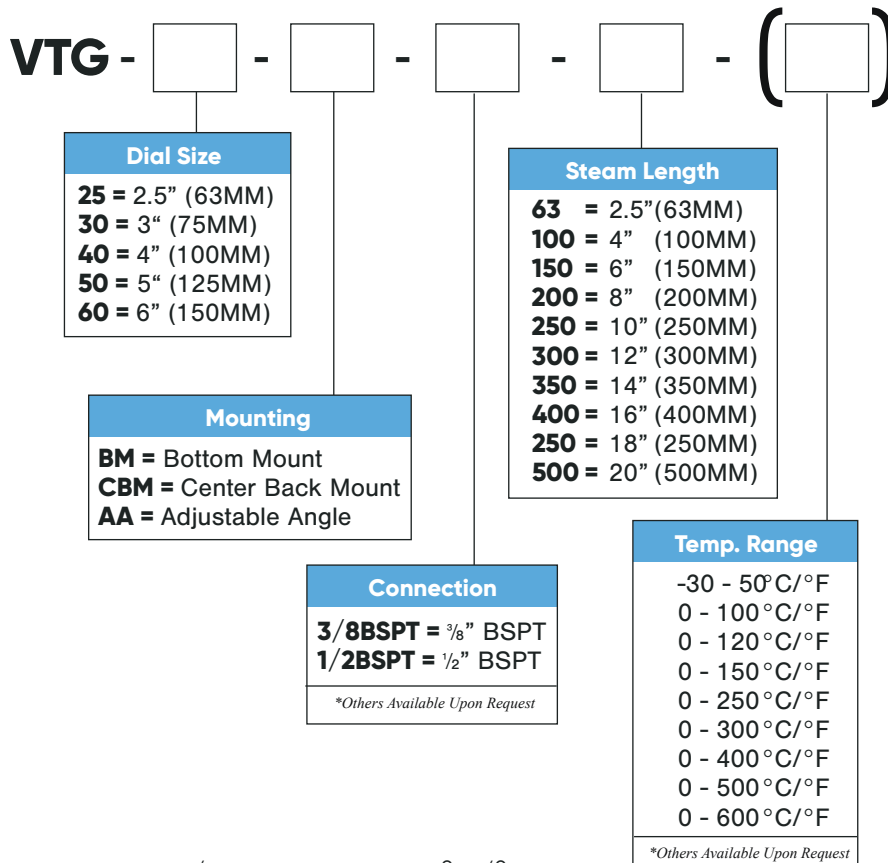
Application

- Heating and Ventilation
- Air conditioning
- Container and Pipe construction
- Building services and wide range of applications in industry.

Technical Data

Model	VTG						Options
Symbol							-
Nominal Size	63	80	100	160	100	160	
Accuracy	Class 1 (DIN 16203)						
Ranges and Resolutions	-30 - 50 °C/°F 0 - 100 °C/°F 0 - 120 °C/°F 0 - 150 °C/°F 0 - 250 °C/°F 0 - 300 °C/°F 0 - 400 °C/°F 0 - 500 °C/°F 0 - 600 °C/°F						Scale °F Dual scale °C/°F
Overtemperature limits	Constant load: Measuring range (DIN 16203) short-time (≤ 1h): 1.1 of measuring range (DIN 16203)						
Measuring Elements	Bimetal Coil						
Case/Bezel	Material SS 1.4301						
Connection	Center Back		Bottom		Adjustable		
	Plain stem, stem Ø 6mm, with collar for thermowell						
Window	Glass lens						
Dial	Aluminium, matted, with fine grading, scale and lettering black						
Pointer	Aluminium black, adjustable pointer						
Protection	IP 43 (EN 60529/ IEC 529)						

Part Numbering System



Example: VTG - 25 - BM - 1/2BSPT - 25 - 50°C/°F