

Filled System Temperature Indicators

Rigid Stem and Distance Reading
Thermometers



- Available in 100mm and 150mm dial sizes
- Rigid Stem or Distance Reading Versions
- Available with all stainless steel construction
- Non Toxic "Filsafe" filling medium
- Adjustable micrometer pointer available
- Class 1 Accuracy to EN837
- Simple installation and low maintenance
- Available with electrical contact head systems

■ Introduction

This range of filled system thermometers offer tough yet accurate instruments with rigid stems for direct mounting or with flexible capillary for remote reading.

Most models in the range may be specified with electrical contact heads to provide alarm or control functions.

This range of non toxic filled system thermometers are designed to give guaranteed reliability over a wide range of

■ Simple to Install and Maintain

A choice of mounting options enables simple installation -either direct mounting to the process, in a panel or surface mounting.

■ Quality

This range of filled system thermometers are designed, manufactured and tested to ISO9001:2000. Each gauge carries the standard 12 month warranty.

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Rigid Stem and Distance Reading Thermometers

■ Specifications -

Case & Bezel

Glass filled polyester resin, non toxic, fire retardant, black. Weatherproof IP67

Dial

Clearly marked black characters on white background

Window

Glass as standard. Options - acrylic and toughened glass.

Stem

316 stainless steel

Stem Dimensions

12.7mm diameter, Standard stem lengths 200mm, 300mm, 400mm and 500mm. Sensitive length X depends on temperature range and filling medium and is indicated by shallow waisting.

■ Specifications -

Case & Bezel

304 stainless steel. 316 stainless steel option. Weatherproof IP67

Dial

Clearly marked black characters on white background

Window

Glass as standard. Options - acrylic and toughened glass.

Bulb / Stem

316 stainless steel. See page 9 for standard bulb types.

Stem Dimensions

Microbore stainless steel tube with 3mm OD stainless steel protection. Maximum capillary length 30 metres (for Gas filled instruments) 12 metres (for Xylene filled instruments)

Temperature Range

See table for standard temperature ranges

Accuracy

±1.0% FSD (±2% when electrical contact heads are fitted)

Ambient Temperature

Head compensated for variation in ambient temperature from -30 to +50°C.

Movement

Direct acting bourdon tube with bimetallic compensator. Option silicone damped.

Temperature Range

See table for standard temperature ranges

Accuracy

±1.0% FSD (±2% when electrical contact heads are fitted)

Ambient Temperature

Head compensated for variation in ambient temperature from -30 to +50°C.

■ Temperature Ranges

Temperature Ranges		Approximate "X" Dimensions	
		stem diameter 12.7mm	
°C	°F	Non-toxic Filsafe	
		Xylene	Gas
-30 / +70	-20 / 160	30mm	N/A
0 / 60	30 / 140	40mm	N/A
0 / 100	30 / 220	30mm	N/A
0 / 120	30 / 250	30mm	N/A
0 / 160	30 / 300	25mm	N/A
0 / 200	50 / 400	25mm	125mm
0 / 300	0 / 550	N/A	125mm
0 / 400	0 / 700	N/A	125mm