

# Mercury in Steel Dial Thermometer



Mercury filled system based on mercury expansion principle is used for measuring temperature ranging from (-) 40°C to 600°C. It has faster response and the same is available in rigid stem as well as capillary type for remote sensing. Every angle type can be offered in all SS construction. Manufactured in accordance with BS:5235. System is case compensated as standard (SAMA CI VB). Fully compensated (capillary compensation) system is offered wherever essential.

## Features

- Rugged construction
- Rigid stem or capillary type
- Fast response
- Protection class IP- 67
- Accuracy  $\pm 1\%$  FSD (0.5% FSD on request)
- High repeatability, low hysteresis
- Case compensated system
- Micrometer Pointer

## Specifications

<b>Ref Standard</b>	: BS 5235
<b>System</b>	: Mercury filled, case compensated in accordance with SAMA CI. VB
<b>Dial</b>	: 100 mm or 150 mm in aluminium, white background, black markings
<b>Case</b>	: Die cast aluminum with screwed bezel, SS304 / SS316 with bayonet bezel
<b>Protection</b>	: Weather proof to IP - 67 (IS : 13947 Part I)
<b>Window</b>	: Shatterproof glass
<b>Pointer</b>	: Aluminium, black
<b>Stem</b>	: SS304 or SS316 in 6 mm, 8 mm, 9.5 mm, 10 mm, 12 mm, 12.7 mm, 14 mm, 16 mm dia and length from 100 mm to 1000 mm (longer lengths available on request)
<b>Capillary</b>	: SS covered / SS covered + PVC / SS armoured (up to 15 M).
<b>Connection</b>	: 1/2" NPT (M) as standard in SS304 or SS316 three piece adjustable compression fitting.
<b>Range</b>	: (-) 40°C to 600°C with a minimum span of 50°C
<b>Accuracy</b>	: $\pm 1\%$ FSD / $\pm 0.5\%$ FSD
<b>Overrange</b>	: 130% FSD as standard
<b>Zero reset</b>	: Micrometer Pointer
<b>Optional</b>	: 1) Glycerine filled SS304 / SS316 case 2) Fully compensated double bourdon system in accordance with SAMA CI. V A 3) SS solid drawn capillary for better performance

**Note :** 1) For minimum immersion length essential for proper sensing, contact our design department.  
2) Three point calibration certificate accompanies each thermometer.

