



DESCRIPTION

VALMATIC™ Taylor Gas Filled Thermometer is designed for accurate temperature measurement by a flexible capillary tube made of stainless steel and filled with nitrogen gas under pressure. The capillary tube is wound to form a spiral spring. As the temperature rises, the pressure of the gas inside the tube increases proportionally, causing the spring to unwind. This rotary movement amplified by a mechanism, action the pointer of the thermometer.

VALMATIC™ Taylor Gas Filled Thermometer is ideal for distance reading up to 100 meters where the display is required some distance from the sensing point. This thermometer is also featured with a back flange for wall mounting purposes. The compact stainless steel construction with remotes capillary tube provides excellent resistance for corrosive environments, long life and sustained accuracy under the most adverse shock and vibration conditions. It is widely used in process industries such as Palm Oil and Refinery Plant, Food Processing Plants, Petrochemical, Heating and Cooling Systems.

APPLICATION

Suitable for water, steam, oil and gases.

SPECIFICATION

| | |
|-------------------------|---------------------------------------------------------------------|
| Dial Size | - 4 inch (100mm), 6 inch (150mm) |
| Capillary Tube Length | - 3 meters and 7 meters, others length on request |
| Immersion Bulb Length | - 140mm |
| Immersion Bulb Diameter | - 10 mm O.D. |
| Accuracy | - +/- 1.0 % of Full Scale |
| End Connection | - 1/2 inch BSPT Thread |
| Entry Type | - Bottom Entry, Back Entry on request |
| Enclosure | - Weatherproof IP 65 |
| Scale Unit | - Dual Scale in degree C and degree F |
| Dial | - Aluminium alloy, black graduation and figures on white background |
| Measuring Range | - 0 to 160°C, others range on request |
| Accessories (optional) | - Stainless Steel Thermowell, Electrical Contact Head |

MATERIALS

| Parts | Material |
|----------------|------------------------------|
| Casing | Stainless Steel AISI 304 |
| Bezel | Stainless Steel AISI 304 |
| Capillary Tube | Stainless Steel AISI 304 |
| Connection | Stainless Steel AISI 304 |
| Immersion Bulb | Stainless Steel AISI 316 |
| Pointer | Aluminium with black painted |
| Window | Glass |

DIMENSIONS (mm)

| Dial Size | D | D1 | H | d |
|-----------|-----|-----|----|-----|
| 100 mm | 100 | 132 | 50 | 4.8 |
| 150 mm | 150 | 196 | 50 | 5.8 |

The specification is subject to change without further notice



VALMATIC ENGINEERING SDN BHD

35, Jalan Layang Layang 4, Puchong Jaya Industrial Park,
Bandar Puchong Jaya, 47100 Puchong,
Selangor, Malaysia

(369320 W)

Tel : 603-5882 6683
Fax : 603-5882 8366
Email : vmatic@pd.jaring.my
http : www.valmatic.com.my