



## TEMPERATURE MEASUREMENT

### Thermometer - Vapour Expansion Series

Type V3: Stainless steel and brass construction

Data Sheet T VAP - 3

#### Service Intended

Suitable for media such as air, water, oil, gas, and chemicals that will not attack brass parts. Typical applications will be in demanding automotive, portable air compressors / generators and earth moving equipment where distance reading is required. Vibration resistant.

#### Nominal Case Sizes

50, 63, 80, 100mm

#### Bezel

S/Steel rolled ring type - tamper proof.  
Material: Stainless steel 304

#### Case Material

Stainless Steel 304

#### Mounting Method

Rear entry with front mounting flange. See "Mounting Configuration D, F and Y"

#### Probe

Flexible copper capillary PVC protected, with brass probe.  
See "Standard Probe and Fitting Size".

#### Window

Glass or plexiglass.

#### Dial

White aluminium. Black lettering. Other options on request.

#### Pointer

Black aluminium.

#### Sensing Element

Bourdon tube, vapour expansion system.

#### Working Range

Steady: 90% of full scale value.  
Fluctuating 75% of full scale value.  
Short period: 110% of full scale value.

#### Accuracy

Class 2 (2% of FSD)

#### Weather Protection

IP 65 water and weather proof.

#### Liquid Filling

Glycerine or silicone filling.

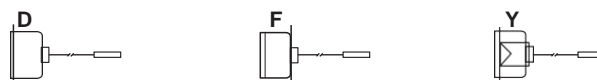
#### Optional Extras

Calibration Certificate  
Customized scale plates (customer logo, red line, etc)  
Special Dials, other than standard  
Colour Coding of dial



For dimensional drawing see technical section

#### MOUNTING CONFIGURATIONS



**D:** Rear connection, 3 hole front flange  
**F:** Rear connection, 3 hole rear flange  
**Y:** Rear con. front ring (clamp mounting)

#### STANDARD TEMPERATURE RANGES

Scale range °C	Figure interval	Minor graduations
40...120 °C	10	2
40...160 °C	20	2

#### STANDARD PROBE AND POCKET SIZES

Probe	7mm dia x 35mm long (Sensitive L= 35mm) (standard sizes, other sizes on request)
Pocket thread size	1/4", 3/8", 1/2" BSP or NPT male
Pocket length	30mm including thread