



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

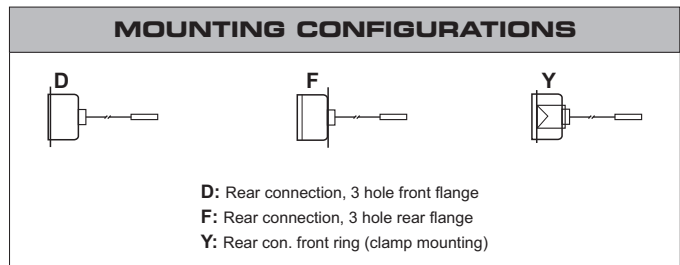
Glycerine or silicone filling.

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



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