



## TEMPERATURE MEASUREMENT

### Thermometer - Gas Actuated Series

Type G4: All stainless steel construction

Data Sheet T GF-4

**Service Intended**

Suitable for media such as air, water, oil, gas, and chemicals that will not attack stainless steel parts. Typical applications will be in a general industrial heating, air-conditioning, food, petroleum, and chemical industry. Vibration resistant.

**Case Details**

100, 160 and 250mm (63 & 80mm on request)

**Case Material**

Stainless Steel 304

**Bezel**

Type T: S/Steel bayonet lock, twist type - removable

Type R: S/Steel rolled ring type - tamper proof

Material: Stainless steel 304

**Stem Location**

Bottom or rear mount, fixed or adjustable angle. With or without mounting flange. See "Mounting Configuration".

**Stem Connection**

To suit application. See "Standard stem and fitting sizes" table.

Max stem pressure w/o thermowell 2500 kPa.

Material: Stainless steel 316, exotic material on request.

**Capillary**

Material: Stainless steel 316. Maximum length 50m. Sprague protection sleeve optional.

**Thermowell**

Fabricated thermowell maximum pressure 16 MPa

Optional: Solid mach. thermowell max pressure 60 MPa.

Material: Stainless steel 316, exotic material on request.

**Window**

Glass or plexiglass. (Plexiglass recommended for food applications)

**Dial**

White aluminium. Black lettering. (Other options on request)

**Pointer**

Black aluminium.

**Sensing Element**

Bourdon tube, inert gas expansion system. Non Toxic.

**Working Range**

Steady: Full scale value.

Short period: 130% of full scale value.

**Accuracy**

Class 1 (1% of full scale value)

**Weather Protection**

IP 65 water and weather proof.

**Liquid Filling**

Glycerine or silicone filling, depending on temperature range.

**Optional Extras**

Calibration Certificate

Customized scale plates (customer logo, red line, etc)

Special Dials, other than standard (dual scale, bar, psi)

Single or double electrical contacts

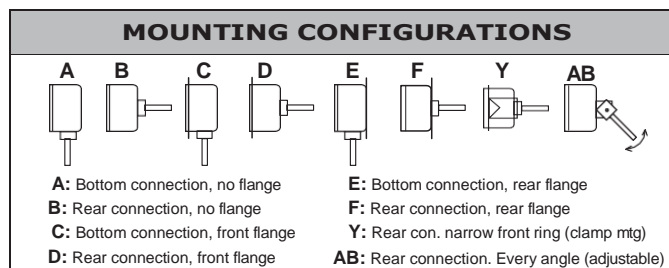
Colour Coding of dial

Drag pointer (maximum set pointer)

Micro adjustable pointer



For dimensional drawing see technical section



Optional: All configurations available with flexible capillary for remote reading

STANDARD TEMPERATURE RANGES		
Scale range °C	Figure interval	Minor graduations
-30...0...+50	20	2
-30...0...+70	20	2
-20...0...+100	20	2
0...60	10	1
0...100	20	1
0...120	20	1
0...160	20	2
0...200	50	5
0...300	50	5
0...400	100	10
0...500	100	10
0...600	100	10
50...650	100	10

*Other ranges on request*

STANDARD STEM AND FITTING SIZES	
<b>Stem dia and length including thread</b> <i>(standard sizes, other sizes on request)</i>	12mm dia x 100, 150, 200, 250, 300mm long ( <i>Sensitive L= 45mm</i> ) 10mm dia x 120, 150, 200, 250, 300mm long ( <i>Sensitive L= 65mm</i> ) 8mm dia x 160, 200, 250, 300mm long ( <i>Sensitive L= 65mm</i> ) 6mm dia x 300mm long ( <i>Sensitive L= 75mm</i> )
<b>Standard connection</b>	1/2" BSP or NPT male
<b>Optional thread sizes</b>	1/4", 3/8", 1/2", and 3/4" in BSP or NPT
<b>Optional conn types</b>	Plain stem ( <i>no thread</i> ) Sliding compression fittings ( <i>to adjust length of insertion</i> ) Male or female swivel nut with weld-on collar Hygienic flange mounting for the food and beverage industry