



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

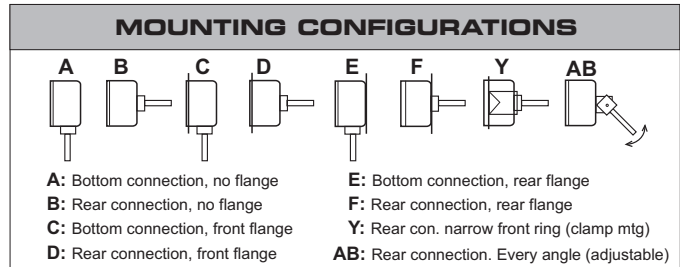
Glycerine or silicone filling, depending on temperature range.

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

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

Due to continuous product development, product might vary from brochure. *E&OE. Please contact S.A Gauge to verify.