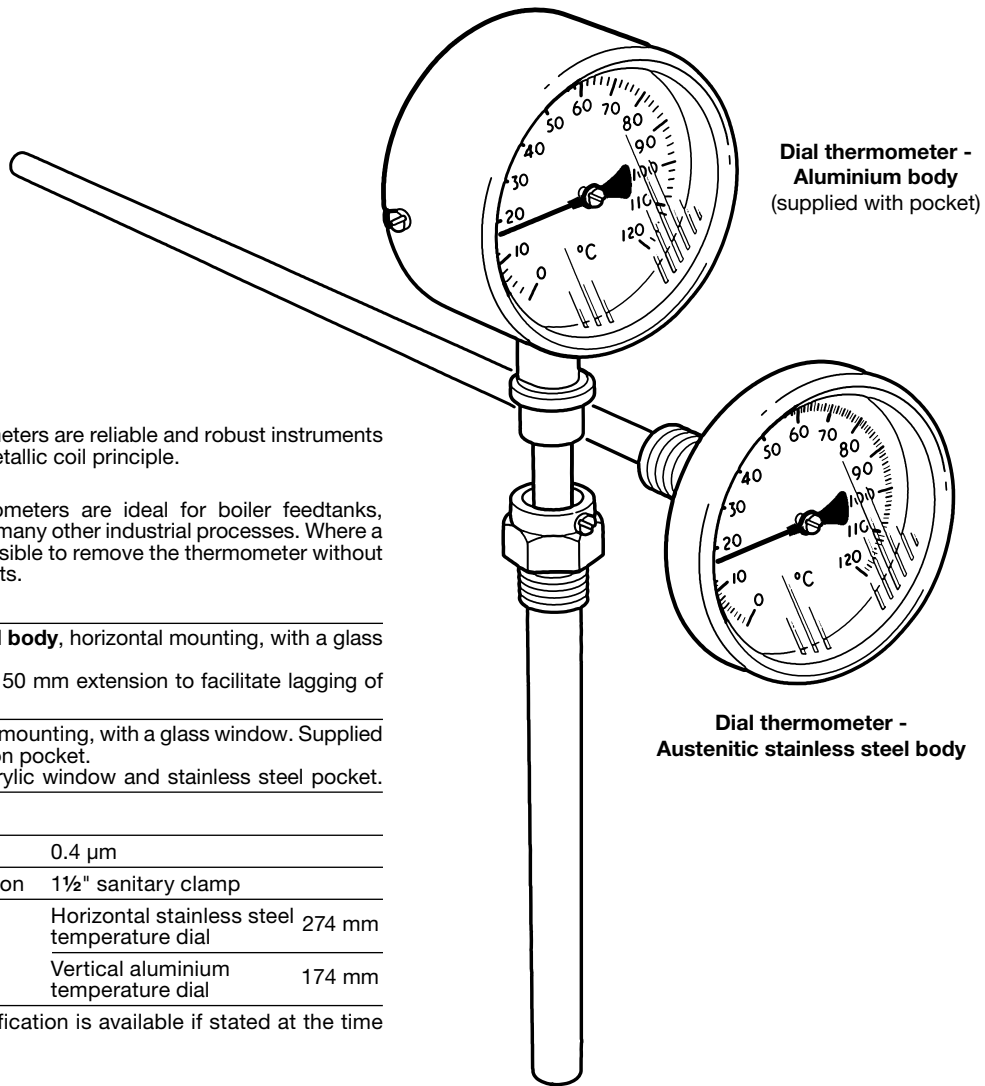




Cert. No. LRQ 0963008

ISO 9001

Dial Thermometers



Description

Spirax Sarco dial thermometers are reliable and robust instruments which operate on the bimetallic coil principle.

Applications

Spirax Sarco dial thermometers are ideal for boiler feedtanks, condensate pumping and many other industrial processes. Where a pocket is installed it is possible to remove the thermometer without draining the vessel contents.

Available types

Austenitic stainless steel body, horizontal mounting, with a glass window.

Optional pocket, with a 150 mm extension to facilitate lagging of the tank/vessel.

Aluminium body, vertical mounting, with a glass window. Supplied complete with brass slip-on pocket.

Optional version with acrylic window and stainless steel pocket.

Optional extra

	Surface finish	0.4 µm
	Process condition	1½" sanitary clamp
Sanitary pocket	Horizontal stainless steel temperature dial	274 mm
	Vertical aluminium temperature dial	174 mm

Note: Surface finish certification is available if stated at the time of order placement.

Limiting conditions

Stainless body protection rating IP54

With or without pocket	Pressure maximum	25 bar g
	Temperature maximum	120°C

Aluminium body

Maximum pressure rating of pocket	Pressure maximum	6 bar g
	Temperature maximum	20/160°C

Range

Stainless body	0-120°C
Aluminium body	0-120°C and 0-160°C

Accuracy

Stainless body	Complies with DIN 16203 Class 1
Aluminium body	Complies with DIN 16203 Class 2 Zero adjustment at pointer.

Materials

	Stainless steel
Body	Stainless steel
Bezel	Stainless steel
Window	Glass
Stem	Stainless steel
Standard pocket	Stainless steel
Optional sanitary pocket	Stainless steel
	Aluminium
Body	Aluminium
Bezel	Stainless steel
Window	Glass (acrylic optional)
Stem	Brass
Standard pocket	Brass (stainless optional)
Optional sanitary pocket	Stainless steel

Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions supplied with the product.

Installation note:

Screw the pocket into a 1/2" BSP connection on the vessel, using PTFE tape as a thread sealant. The austenitic stainless steel dial thermometer can be screwed directly into the vessel if required.

Position the thermometer so that it will measure a representative temperature in the vessel. Vertical mounting thermometers have a minimum insertion depth - see dimension 'H'. Heat conducting paste is not normally necessary, but may be used if desired.

Dimensions / weight (approximate) in mm and kg

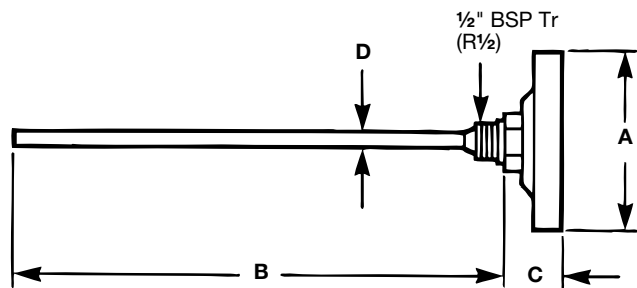
Austenitic stainless steel body

A	B	C	D	E	F	G	H	I	Weight Thermometer	Pocket
100	274	35	8	13	150	18	113	28	0.25	1.0

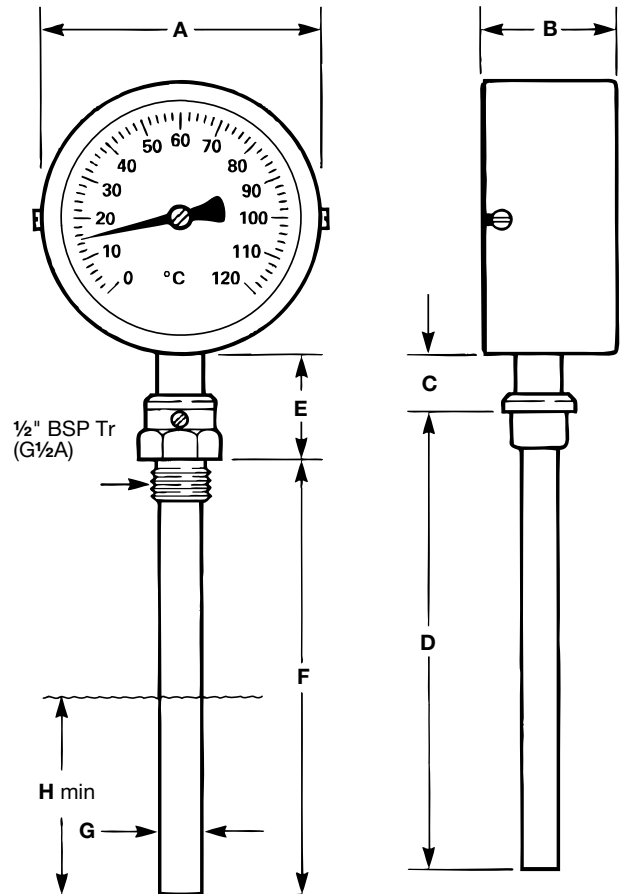
Aluminium body

A	B	C	D	E	F	G	H min	Weight including pocket
100	48	16	174	35	160	13	65	0.4

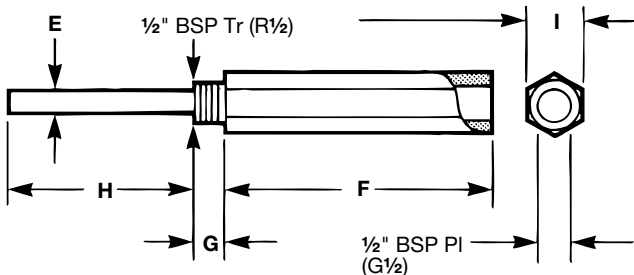
Thermometer (Austenitic stainless steel body)



Thermometer (Aluminium body) with pocket



Optional pocket (Stainless steel)



How to specify

- 1 - Horizontal mounting dial thermometer with stainless steel wetted/exposed parts, IP54 rating.
- 1 - Pocket with 1/2" BSPT thread (R1/2)
- 1 - Vertical mounting dial thermometer with slip-on pocket 0-120°C range.

How to order example:

- 1 - Spirax Sarco dial thermometer, having an austenitic stainless steel body for horizontal mounting, 0-120°C.
- 1 - Pocket with 150 mm extension for the above.
- 1 - Spirax Sarco dial thermometer having an aluminium body and c/w brass pocket. 0-120°C range.