

Hygienic Pressure & Temperature Gauges



Regional Distributor of:

TEMPRESS

Thermometer



- Case size DN100 (4")
- Sensor diameter Ø10 or Ø13mm (0.4" or 0.5")
- Short sensor length
- Connection 1.5" or 2" clamp ISO 2852 (Tri-clamp®)
- Wetted parts AISI 316
- Temperature compensation
- Measuring range from -40°C to 250°C (-40-480°F)
- Unique resistance to corrosion, damp, vibrations and wear

TEMPRESS gas pressure thermometer is made to meet the requirements of food and pharmaceutical industries.

The sensor is diameter 10 or 13 mm with a 1.5" or 2" clamp connection (Tri-clamp®). The sensor length depends on the diameter. Minimum with 13 mm sensor is L100mm which gives an immersion length of 50mm. The surface is for A8103 polished to Ra <0.8µm (<32µ in.) or electropolished Ra <0.5µm.

The function is based on expansion of the filling medium in the closed sensor. The change of pressure actuates the spiral spring driving the movement. A built-in bimetallic coil compensates automatically for the effect on the reading caused by change of the ambient temperature.

The filling media is an inert gas which is 100% neutral to the environment. This makes the thermometer ideal for use in food and pharmaceutical industries.

Each individual thermometer is manufactured with great care and hand-calibrated. TEMPRESS' high quality standard ensures high accuracy, superb long time-stability and long durability of the instruments.

Specifications

Thermometer	A8103 - polished
Case Size	DN100
Material	stainless steel
Liquid filling	silicone oil
Neck	50mm (1.75")
Connection clamp	DN38 (1.5") or DN51 (2") acc. to ISO 2852
Sensor diameter	Ø10mm (0.4") or Ø13mm (0.5")
Max. L	560mm
Material	AISI 316 surface finish A8103 Ra<0.8µm (<32µ in.) Optional: Ra<0.5µm (<20µ in.)
Filling media	inert gas
Measuring range	-40°C TO +250°C (-40+480°F)
Minimum span	60°C (140°F)
Accuracy	EN13190, cl.1
Ambient temperature	-40 TO +100°C (-40 TO +212°F (or FS))

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