

Thermometer polished**Type A81/ food and pharmaceutical industry**

Date: June 2019

Sheet No.: A81

**Thermometer**

- Wetted parts AISI 316
- Short sensor length
- Connection 1½" or 2" clamp ISO 2852 (Tri-clamp®)
- Temperature compensation
- Measuring range from -40°C to +250°C (-40-480°F)
- Unique resistance to corrosion, damp, vibrations and wear

Application

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 ½" 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 or electropolished Ra≤0.5 µm.

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

Type A81	Thermometer – polished
Case size	DN100
Case material	Stainless steel
Bezel	Stainless steel
Glass face	Tempered safety glass
Liquid filling	Silicone filled
Neck length	50 mm (1,75")
Connection clamp	DN38 (1 ½") or DN51 (2") according to ISO 2852
Sensor diameter	Ø10mm (0.4") or Ø13mm (0.5")
Sensor max. L	560 mm
Material	AISI 316 surface finish
	A8103 Ra < 0.8 µm
	Optional: Ra < 0.5 µm
Accuracy	Class 1 acc. to EN 13190
Filling media	Inert gas, Argon
Measuring range	-40°C TO +250°C (-40+480°F)

TEMPRESS reserves the right to changes without notice

TEMPRESS DATASHEET

Agent/Dealer:



TEMPRESS

Sønderskovvej 10, DK-8362 Hørning.
Phone: 8932 5200
E-mail: sales@tempress.dk