

GLS 501



Thermoelement type K surface/soldering tip probe



- Fast and accurate
- Compact
- Ceramic construction
- Specialized solution for high quality manufacturing quality monitoring and optimization
- ISO 9001 calibration certificate available

DESCRIPTION

The GLS 501 are compact and precise soldering tip sensors. The sensing tip has to be wetted by soldering tin, then the iron will be placed directly on the tip to measure its soldering temperature.

- “solder the sensor” for tip-temperature measuring in 5s
- Keep in mind: Flux on sensor may reduce sensor life

The probe can be optionally supplied with specialized ISO 9001-Calibration Certificate ISO-WPT-2P-70-350TB (non DAKKS or ACCREDIA) when combined with a suitable instrument (e.g. PRO 131/ 135 or ECO 130).



TECHNICAL SPECIFICATION

Sensor	Type K
Measuring range	-50 ... +500 °C
Thermocouple	Type K: Nickel-chromium / nickel-aluminum, IEC 60584-1
Accuracy	Class 1: $\pm 1.5^{\circ}\text{C}$ or 0.40% across measuring range (element, practical error may be larger due to temperature gradients on soldering point)
Response time (T_{90})	< 5 s at liquid tin
Cable	None, direct mount to instrument
Connection	miniature flat plug
Dimensions	Ceramic stem: $\varnothing 6$ mm, length ca. 20 mm
Weight	Ca. 7 g

STANDARD ARTICLES

GLS 501 Soldering tip probe Art no. 487987

ACCESSORIES

ISO-WPT-2P-70-350TB ISO 9001 certificates, not DAKKS accredited, 70 °C, 350 °C tin bath Art no. 488258

SUITABLE INSTRUMENTS

PRO 131.2	2-channel handheld temperature meter for thermocouple probes, graphic display. Device in carton box incl batteries, QuickStart, test protocol, without temperature probe	Art no. 486119
PRO 135.2	2-channel handheld temperature meter/data logger for thermocouple probes, graphic display. Device in carton box incl batteries, QuickStart, test protocol, USB cable, without temperature probe. Free Software ProXware downloadable from Senseca website	Art no. 486118
ECO 130	Type K thermocouple quick response thermometer (formerly G 1200). Device in carton box incl batteries, Manual, test protocol, without probe	Art no. 486708
ECO 130.2	Type K quick response 2-channel-alarm-thermometer (formerly G 1202). Device in carton box incl batteries, Manual, test protocol, without probe	Art no. 486732