

Dual Infrared Measuring Device with NiCrNi Connection

TFI 550

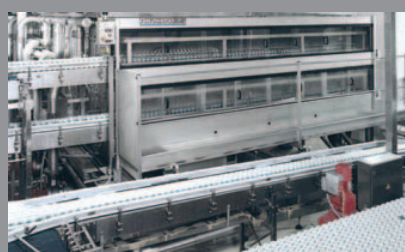
NEW



Technical Data

Type	TFI 550
Measuring range	-60°C ... +550°C (-76°F ... 1,022°F)
Accuracy	±2°C at -18°C ... +23°C (±3.6°F at 0°F ... 73°F) ±1% of measured value / ±1°C (whichever is larger) at +23°C ... +510°C / ±1.8°F (whichever is larger) at 73°F ... 950°F
Resolution	0.1°C at -9.9°C ... +199°C, otherwise 1°C (0.2°F at 14°F ... 391°F, otherwise 1.8°F)
Reaction time (90%)	approx. 1 s
Emmissivity factor	0.1 ... 1.0
Ratio distance-measurement spot	30:1
NiCrNi probe measurement	
Measuring range	-64°C ... +1400°C (-83°F ... 2,552°F)
Accuracy	±1% of measured value / ±1°C (±1.8°F), whichever is larger
Battery lifetime	typically 180 h
Operating temperature	0°C ... +50°C (32°F ... 122°F)
Storage temperature	-20° C ... +65°C (-4°F ... 149°F)
Housing	ABS
Protection class	IP 20
Weight incl. battery	approx. 180 g
Certificate	6 point factory calibration

TFI 550



Applications

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| <ul style="list-style-type: none"> • Fast temperature checks • Climate control systems | <ul style="list-style-type: none"> • Process monitoring • Laboratory | <ul style="list-style-type: none"> • Storage • Incoming goods inspection |
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Attributes

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|---|---|--|
| <ul style="list-style-type: none"> • Infrared for non-contact surface temperature measurement • Optics D:S = 30:1 | <ul style="list-style-type: none"> • Double laser pointer • NiCrNi connection for core temperature measurement with penetration probe | <ul style="list-style-type: none"> • Alarm when Min/Max exceeded • Factory calibration certificate • Switchable between °C/°F |
|---|---|--|

Description	Type	Part No.
Infrared thermometer with NiCrNi connection	TFI 550	1340-1786

Comments

Optional external NiCrNi-probes with SMP-connection available (pages 13 - 21).