

Dual Infrared Thermometer with NiCr-Ni Connection

TFI 550



TFI 550

Technical Data

Type	TFI 550
Measurement range	-60 °C ... +550 °C (-76 °F ... 1022 °F)
Accuracy	±2 °C at -18 °C ... +23 °C (±3.6 °F at 0 °F ... 73 °F) ±1 % of measurement ±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)
Response time (t ₉₉)	Approximately 1 s
Emissivity factor	0.1 ... 1.0
Distance : spot ratio	30:1
NiCr-Ni probe measurement	
Measurement range	-64 °C ... +1400 °C (-83 °F ... 2552 °F)
Connection	SMP
Accuracy	±1 % of measurement value / ±1 °C (±1.8 °F), whichever is larger
Battery	2 x AAA (Micro)
Battery lifetime	Typically 180 hours
Operating temperature	0 °C ... +50 °C (32 °F ... 122 °F)
Storage temperature	-20° C ... +65 °C (-4 °F ... 149 °F)
Housing material	ABS



Applications

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Fast refrigerated goods checks • Climate control systems | <ul style="list-style-type: none"> • Incoming goods inspection • Process monitoring | <ul style="list-style-type: none"> • Storage • Food products industry |
|---|---|---|

Attributes

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| <ul style="list-style-type: none"> • Infrared for non contact surface temperature measurement • Distance : spot ratio = 30:1 | <ul style="list-style-type: none"> • Double laser pointer • NiCr-Ni connection for core temperature measurement with penetration probe | <ul style="list-style-type: none"> • Alarm when MIN / MAX exceeded • Factory calibration certificate |
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Description

Infrared thermometer with NiCr-Ni connection

Type

TFI 550

Part No.

1340-1786

Comments

Optional external NiCr-Ni probes with SMP connection available (pages 11 - 19).