

# Infrared-Thermometer with NiCr-Ni Connection

## TFI 650



### Technical Data

Type	TFI 650
Measurement range	-60 °C ... +1500 °C
Accuracy	±2% of measurement value / ±2 °C (whichever is larger)
Resolution	0.1 °C
Response time	Approximately 1 sec
Emissivity factor	0.1 ... 1.0
Distance:spot ratio	50:1
Probe	With SMP connection
Operating temperature	0 °C ... +50 °C
Storage temperature	-20 °C ... +65 °C
Housing material	ABS
Protection class	IP 20
Battery	2 x AAA (Micro)
Battery lifetime	Typically 140 hours
Dimensions	47 x 197 x 203.3 mm
Weight	Approximately 385 g (with battery)
Certificate	Factory calibration certificate

TFI 650



### Applications

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Temp. measurements up to +1500 °C</li> <li>• Measuring and monitoring tasks in industry, trade and craft</li> </ul> | <ul style="list-style-type: none"> <li>• Air-conditioning systems</li> <li>• Laboratory</li> </ul> | <ul style="list-style-type: none"> <li>• Storage</li> <li>• Incoming goods</li> </ul> |
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### Attributes

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|--|---|---|
| <ul style="list-style-type: none"> <li>• Infrared for non contact temperature measurement</li> <li>• Distance : spot ratio = 50:1</li> </ul> | <ul style="list-style-type: none"> <li>• Double laser pointer</li> <li>• Switchable between °C / °F</li> <li>• Alarm at MIN / MAX exceed</li> </ul> | <ul style="list-style-type: none"> <li>• NiCr-Ni connection</li> <li>• Factory calibration certificate</li> </ul> |
|--|---|---|

Description	Type	Part No.
Infrared Thermometer with NiCr-Ni connection	TFI 650	1340-1783

### Comments

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