

Infrared Thermometer with NiCr-Ni Connection

TFI 550



Technical Data

| | |
|----------------------------------|---|
| Type | TFI 550 |
| Measurement 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 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 ... 2,552 °F) |
| Accuracy | ±1 % of measurement / ±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 material | ABS |
| Protection class | IP 20 |
| Weight | Approximately 180 g (including battery) |
| Certificate | 6-point factory calibration |

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Applications

- Fast refrigerated goods checks
- Climate control systems
- Incoming goods inspection
- Process monitoring
- Storage
- Food products industry

Attributes

- Infrared for non contact surface temperature measurement
- Distance : spot ratio = 30:1
- Double laser pointer
- NiCr-Ni connection for core temperature measurement with penetration probe
- Alarm when MIN / MAX exceeded
- Factory calibration certificate

| Description | Type | Part No. |
|--|---------|-----------|
| Infrared thermometer with NiCr-Ni connection | TFI 550 | 1340-1786 |
| Penetration probe with cable, SMP | TPN 211 | 1343-1005 |
| Surface / paddle probe with 1 m cable, SMP | TPN 341 | 1343-1015 |

Remarks

For all NiCr-Ni-probes with SMP connector.