

TFI 550 Infrared Dual Thermometer with connection for thermo elements type K



Optional external NiCr-Ni probes
with SMP connection available
(starting on page 73).

- Double laser pointer
- Distance : spot ratio = 30:1
- Alarm when MIN/MAX exceeded

Technical Data

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 ₉₀)	Approximately 1 s
Emissivity factor	0.1 ... 1.0
Distance : spot ratio	30:1
NiCr-Ni probe measurement	
Measurement range	-64 °C ... +1,400 °C (-83 °F ... +2,552 °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
Protection class	IP20
Weight	Approximately 180 g
Certificate	Factory calibration certificate (Infrared: -18 °C, 0 °C and +120 °C; NiCr-Ni: -20 °C, 0 °C and +1,000 °C)

Type	Description	Part No.
TFI 550	Infrared thermometer with NiCr-Ni connection	1340-1786A
AN 144	Extension cable, 2.5 m silicone, SMP	1343-2627



TFI 260 Basic Infrared Thermometer with circular laser pointer



- Measurement area perfectly marked due to circular laser pointer
- Bright display backlight
- Distance : spot ratio = 12:1

Technical Data

Measurement range	-60 °C ... +550 °C (-76 °F... +1,022 °F)
Accuracy	±2 °C +0.05 °C per °C below 0 °C (at -60 °C ... 0 °C) ±2 °C (at 0 °C ... +15 °C) ±1.5 °C (at +15 °C ... +35 °C) ±2 °C or 2 %, larger value is applicable (at +35 °C ... +550 °C)
Resolution	0.1 °
Operating temperature	0 °C ... +50 °C (+32 °F ... +122 °F)
Response time	1 s
Emissivity factor	0.95 fixed
Distance : spot ratio	12:1
Battery	2 x AAA (Micro)
Battery lifetime	Approximately 7 hours of continuous use
Housing material	ABS
Dimensions (L x W x H)	115 x 162 x 40 mm
Weight	179 g (with batteries)
Protection class	IP20
Certificate	Factory calibration certificate (0 °C)

Type	Description	Part No.
TFI 260	Infrared thermometer incl. factory calibration	1340-1755A

TFI 54 Infrared Thermometer with splash proof housing



- Single laser pointer
- Distance : spot ratio = 12:1
- Replaceable battery

Technical Data

Measurement range	-60 °C ... +550 °C (-76 °F ... +1,022 °F)
Accuracy	±2 °C +0,05 °C per °C below 0 °C (at -60 °C ... 0 °C) ±2 °C (at 0 °C ... +15 °C) ±1,5 °C (at +15 °C ... +35 °C) ±2 °C or 2 %, larger value is applicable (at +35 °C ... +550 °C)
Resolution	0.1 °C (-9.9 °C ... +199.9 °C) 1 °C for the remaining measurement range
Operating temperature	0 °C ... +50 °C (+32 °F ... +122 °F)
Response time	1 s
Emissivity factor	0.95 standard, adjustable from 0.1 to 1.0
Distance : spot ratio	12:1
Battery	2 x AAA (Micro)
Battery life time	Approximately 14 hours of continuous use
Housing material	Rubberized
Dimensions (L x W x H)	144 x 117 x 43 mm
Weight	180 g (with batteries)
Protection class	IP54
Certificate	Factory calibration certificate (0 °C)

Type	Description	Part No.
TFI 54	Infrared Thermometer including factory calibration certificate	1340-1754A