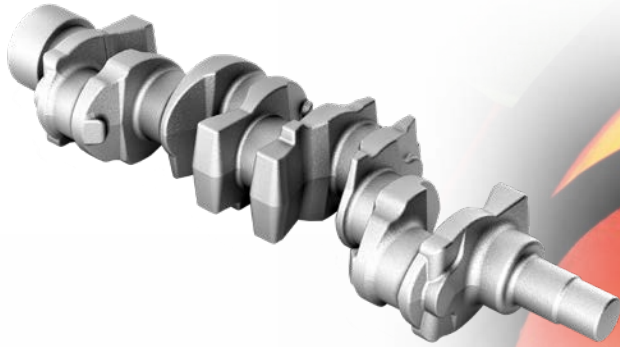


Infrared Thermometers For Metal Processing

STEK 3i Series



- Temperature ranges from 0°C to 2000°C
- High optical resolutions up to 300:1
- Precise aiming with laser and scope sighting
- Adjustable emissivity from 0.100 - 1.000
- Different spectral responses for a variety of advanced applications
- MAX/MIN function and audible and visible
- HIGH-/LOW-alarm
- USB interface, free STEK Connect Software
- Data logger for 2000 measured values



Measurement Specifications

Temperature Range	0 to 1300°C (3i LT) 650°C to 1800°C (3i1M) 385°C to 1600°C (3i 2M) 1000°C to 2000°C (3i 05M)
Spectral range	8 - 14 μm (3i LT) 1.0 μm (3i1M) 1.6 μm (3i 2M) 525 nm (3i 05M)
Optical resolution	120:1 (3i LT) 300:1 (3i1M / 2M) 150:1 (3i 05M)
System accuracy(at Tamb = 23 ± 5°C)	±1% or ±2°C (3i LT), Which ever is Greater ±(0,3% of reading +2°C) (3i1M / 2M / 05M)
Repeatability	±0,5% or ±1°C (3i LT) Which ever is Greater ±(0,1% of reading +1°C) (3i1M / 2M / 05M)
Response time	300 ms (3i LT) 100 ms (3i1M / 2M / 05M)
Emissivity (adjustable)	0.100 - 1.000
Sighting	Double laser class II (<1 mW)
Sighting scope /View Finder	All models
Signal processing	MAX/MIN, Scan/Hold function
Alarm functions	Alarm functions Audible and visible HIGH/LOW alarm
Data storage	Data storage 2000 values
Software	Data Connect

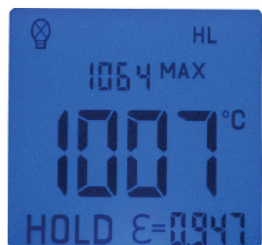
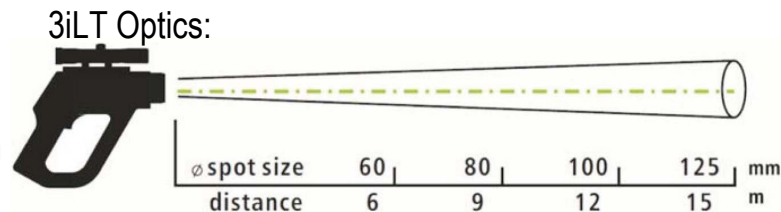
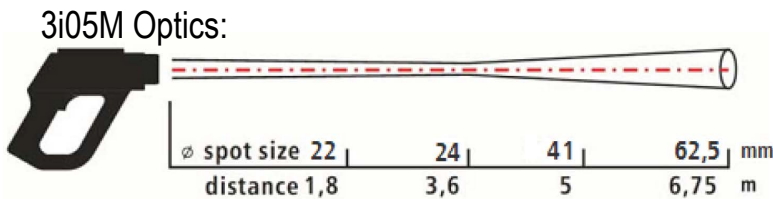
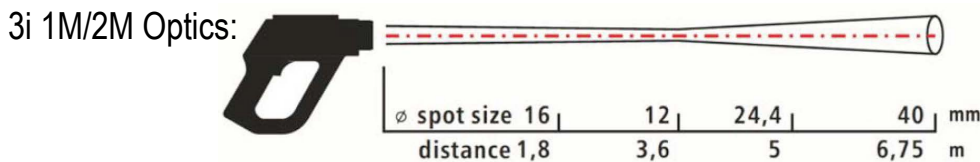
General Specifications

Ambient temperature	Ambient temperature 0 - 50°C
Storage temperature	Storage temperature -20 to 60°C (no battery)
Relative humidity	Relative humidity 10 - 95%, non-condensing
Size	Size 264 x 204 x 60 mm
Weight	Weight 1000 g

Electrical Specifications

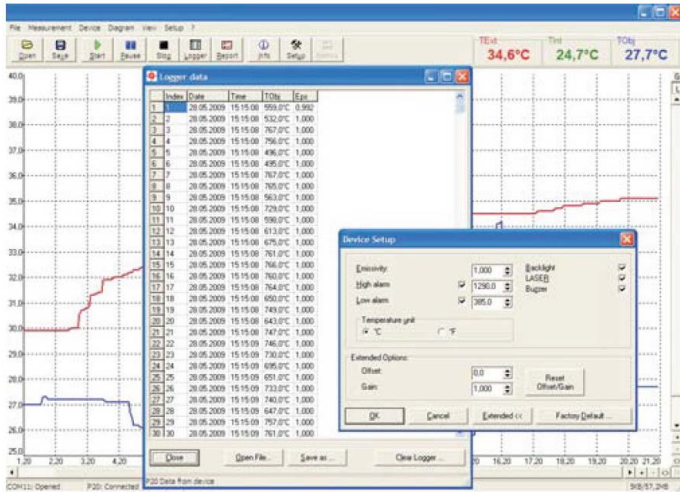
Output	USB interface
Power	Ni-MH rechargeable battery
Battery lifetime	5 h laser and backlight on / 25 h without laser and backlight
AC Adapter	220 VAC, 50/60 Hz

Optical Specifications



HIGH-/LOW-alarm
 (3-coloured display)

Data Logging & Reporting Software



- Setup of parameters
- Download of logger data
- Display and record of temperature trends
- Image based report function
- Runs on Windows 8-tablet PCs
- Software included

