STEK 3i PLUS Series Infrared Thermometers
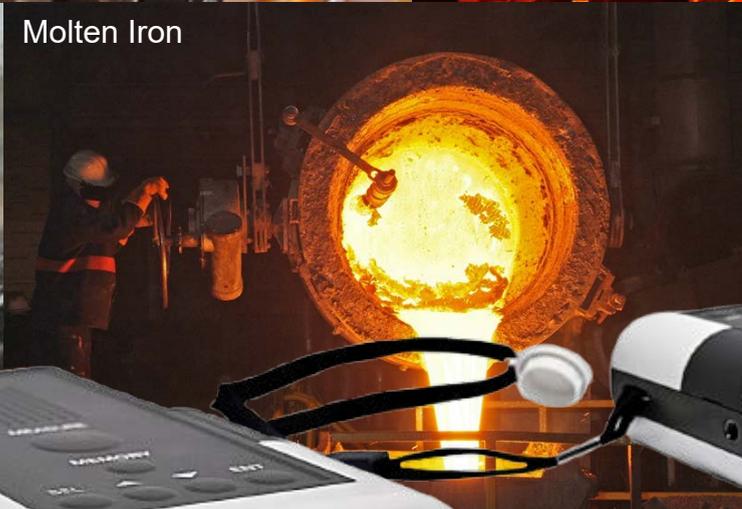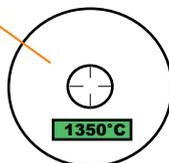
STEK

Induction Heating

Hot Rolling

Thermit Welding

Molten Iron

Reformer Tubes

3i Series

Internal View Finder to Aim Accurately of Red Hot Surfaces
With Temperature display bellow the reticle

1350°C

www.stek.in

STEK 3i PLUS Series Infrared Thermometers

Type	Single color for high temperature	High functionality type (**2 color type** + Single color wide range type)
Model	ST-3i-PLUS-1M	ST-3i-PLUS-2C
Measurement method	Narrow band radiation thermometer	
Element	Si	Si / InGaAs
Wavelength	0.9 µm	0.9 / 1.55 µm
Temperature Range	600 to 2000°C	600 to 2000 (2 color form) 400 to 3000 ° C (single color wide range)
Accuracy rating ε = 1.0, 23 ° C ± 5 ° C	Less than 1000°C: ± 6°C 1000 to 1500°C: ± 0.6% of measured value 1500°C to 2000 °C : ± 1.2% of measured value	Less than 1000°C: ± 6°C 1000 to 1500°C: ± 0.6% of measured value 1500 to 2000°C: ± 1.2% of measured value More than 2000 °C: ± 2.4% of measured value
Repeatability	± 1°C	
Resolution	1°C	
Response time	0.2s	
Measurement distance and measurement diameter	φ 20/4000 mm	
Finder	Direct viewing finder (ND(Neutral Density) Filter built in), On/Off switching	
Display method	LCD digital display 4 digits, viewfinder internal and external display	
Data storage	SD card 2 GB or less (Sold Separately) . Storage folder / files can be set up up to 9999 and in 1 file 9999 data can be saved. Format will be CSV	
Emissivity correction	0.100 to 1.900 (0.01 steps)	0.80 to 1.200 (2 colors: emissivity ratio) / 0.100 to 1.900 (single color)
External input	K type thermocouple (Connecting through connector) : -50 to 800°C Accuracy: ±2°C (At 23°C ±5°C) auto emissivity (ratio) calculation available.	
Power supply	Two AA batteries 2 Pieces (Rechargable batteries can be used)or AC power adapter (Sold separately)	
Working temperature	0 to 50°C	
Weight	About 500g	
External dimensions	W150 × H100 × D50 mm, (Main body only)	
CE	EMC Directive --- EN61326-1 Class A	