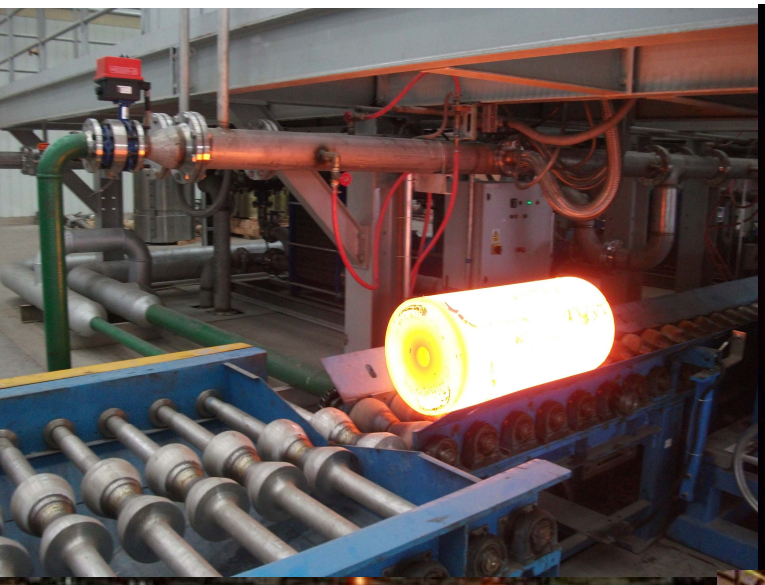
Portable Infrared Thermometer for Specialied Application; Long Range, 8-14µ / 1µ / 1.6µ / 2.4µ
STEK 3i Series



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STEK 3i Series

Model	ST-3i-LT	ST-3i-LR	ST-3i-1M	ST-3i-2M	ST-3i-3M
Temperature Range	-30ºC-900ºC	-30ºC-1300ºC	600ºC-1600ºC	300ºC-1300ºC	100ºC-600ºC
Optics Resolution[1] (90%)	60:1	120 : 1	300 : 1	300 : 1	140:1 / 120:1 (FF)
Spectral Response	8～14μm	8～14μm	1μm	1.6μm	2.3μm
Response Time (95%)	300ms	300ms	5ms	5ms	5ms
Sighting	Dual Laser				
Emissivity	0.10～1.00, ±0.01				
Accuracy[2]	LT/LR: ≥ 20°C, ±1% of reading or ±1ºC, whichever is greater;±1,5°C (-20 to 19.9°C), ±2,5°C (-30 to -20.1°C) 1M/2M/3M : ±(0.5% of reading +2ºC)				
Repeatability[3]	LT/LR:±0.5% of reading or ±0.5ºC, whichever is greater; 1M/2M/3M:±(0.3% of reading +1ºC)				
Configurations	Real time/Hold、Max/Min				
Alarm Functions	HIGH/LOW alarm (audible & visible)				
Data Logger	2,000 points				
LCD Backlight	green and red/blue (alarm)				
Digital Interface / Input	Mini USB / Type K : -40ºC～400ºC, accuracy : ±1% or ±1ºC, whichever is greater				
Ambient Temperature	0ºC～50ºC				
Relative Humidity	10%～95%, non-condensing				
Power Supply	9V alkaline battery or USB				
Dimensions/Weight	163.5(L) x207(W) x70(H)mm/470g				
Application	For Non Metallic Surfaces, low Temperatures, General Maintance • Electrical • Mechanical • HVAC • Pipeline Insulation • Steam Trap	Long Range For Non Metallic Surfaces, low Temperatures, General Maintance • Electrical • Substation • Mechanical • HVAC • Pipeline Insulation • Steam Trap	Best Suitable for Solid Metal at High Temperatures,. • Induction Heating • Forging • Furnaces • Reformer • Hot Rolling • TMT • Boilers • Refractory	Suitable for Solid Metal at High Temperatures, Refractory. • Annealing • Hardening • Quenching: • Tampering • Quenching • Forging • Hot Rolling • TMT	Suitable for Solid Metal at Low Temperatures,. • Aluminium • Brass • Copper • Galvanising • Quenching

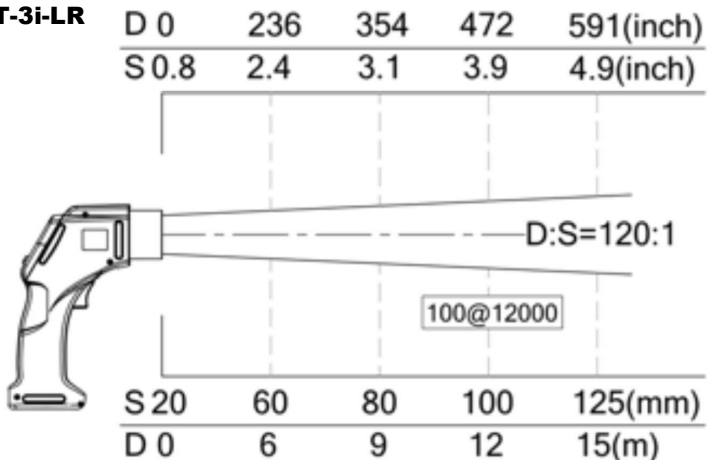
[1] Please refer Optical chart

[2] At 23±5ºC, emissivity LT/LR=0.95, 1M/2M/3M =1.00

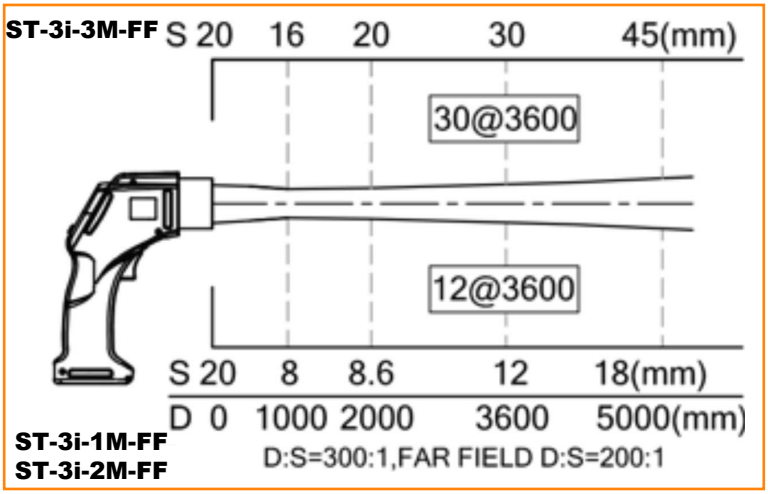
[3] At 23±5ºC, emissivity LT/LR=0.95, 1M/2M/3M =1.00

Optical Resolution (Distance / Spot Ratio ; D:S)

ST-3i-LR

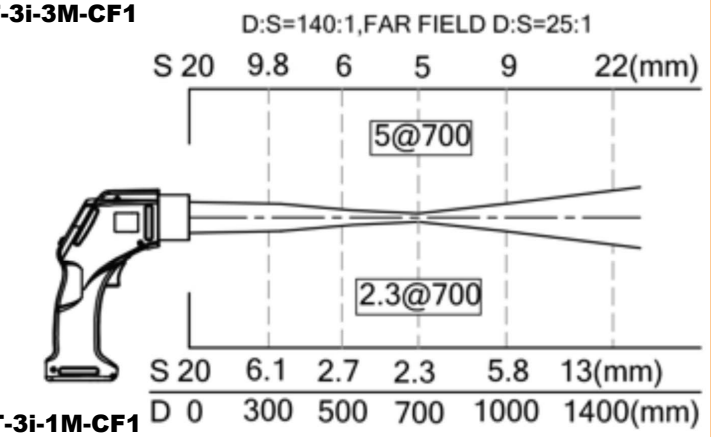


ST-3i-3M-FF



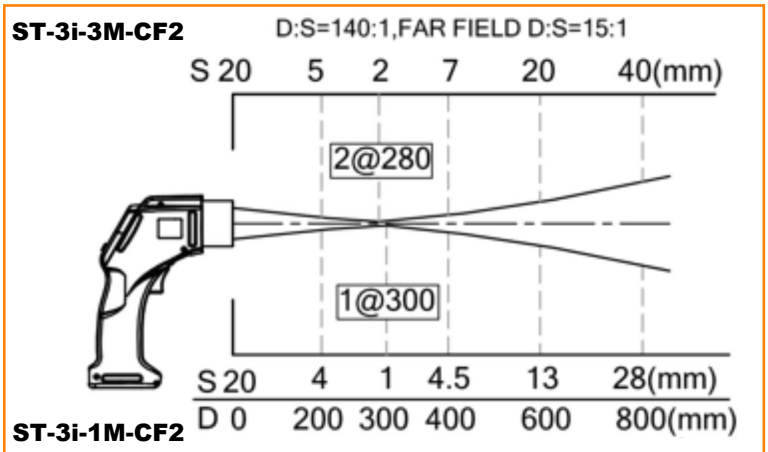
ST-3i-1M-FF
ST-3i-2M-FF
D:S=300:1,FAR FIELD D:S=200:1

ST-3i-3M-CF1



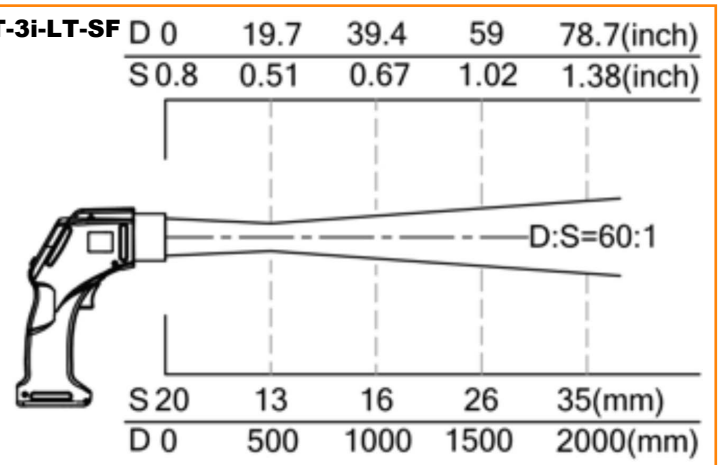
ST-3i-1M-CF1
ST-3i-2M-CF2

ST-3i-3M-CF2



ST-3i-1M-CF2
ST-3i-2M-CF2

ST-3i-LT-SF



ST-3i-LT-CF