

25 Years Of Industrial Infrared Temperature Measurement



INDUCTION BILLET HEATING



HOT ROLLING



CONTINUOUS CASTING



TMT ROLLING MILL



GALVANISING LINES

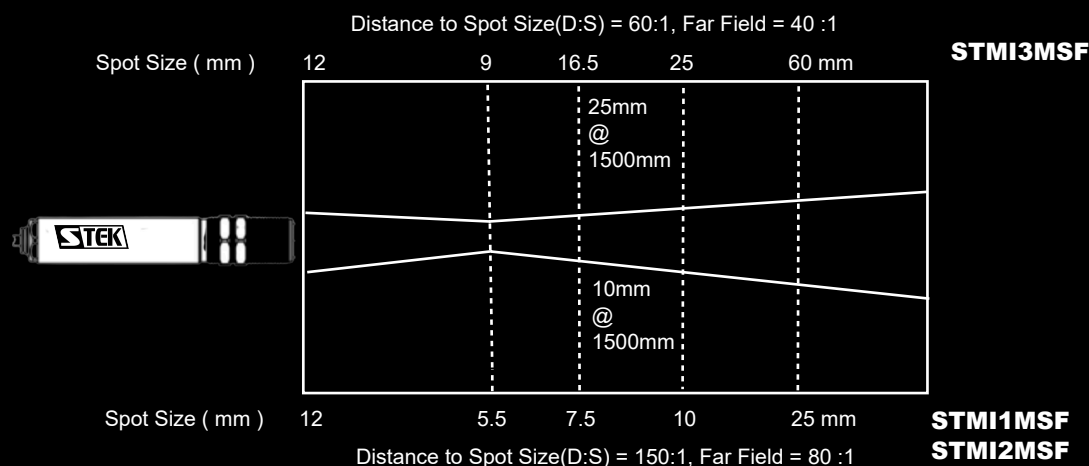


COLOUR COATING LINES

● STEK MI SEIRES ●

- Wavelength 1M (1μ); 2M (1.6μ); 3M (2.4μ)
- Optics (D:S) = 150 : 1
- Laser Aiming

www.stek.in



Temperature Range:

STMI1M : 600°C to 1600°C (1112°F to 2912°F)
 STMI2M : 300°C to 1300°C (572°F to 2372°F)
 STMI3M : 100°C to 600°C (212°F to 1112°F)

Spectral Response (Wavelength):

STMI1M : 1μ (Best Suitable For Metal at High Temperature)
 STMI2M : 1.6μ (Suitable For Metal at High Temperature)
 STMI3M : 2.3μ (Suitable For Shiny Metallic Surfaces)

Optics Resolution (Distance To Spot Ratio ;D:S; 90% energy):

STMI1M : 150 :1
 STMI2M : 150:1
 STMI3M : 60:1

Accuracy¹ : ±(0.5% of reading +2°C)

Repeatability¹ : ±(0.3% of reading + 1°C)

Response : 5 ms (95% signal)

Time

Temperature :0.1°C

Resolution

Emissivity :0.100- 1.000 (PC Software adjustable) OR Through PI27 Controller

Signal :Peak hold, Valley hold, Average (PC Software adjustable) OR Through PI27 Controller

Software :STonline

¹At 23°C ± 5°C, emissivity= 1.00

Electrical Specifications:

Analog Output: 4-20mA; Maximum loop resistance 500Ω
 Digital Output : RS485 (2-wire)
 Power Supply : 24 VDC ± 20% Current Draw max. 100 mA
 Cable Length : 2 m

General Specifications:

Environmental Rating : IP 65 (NEMA- 4)
 Ambient Temperature : 0°C to 70°C
 Storage Temperature : -20°C to 85°C
 Relative Humidity : 10 to 95% Rh, non-condensing
 Cable Temperature : -20°C to 80°C
 Weight : 280g (2m cable)

OPTIONAL ACCESSORIES:

Air Purging Jacket
 Quartz Protection Window
 Water Cooling Jacket
 PI27 Process Controller

