

Temperature

Infrared Non-contact Thermometers

ST642 & ST643 *Economical Gun Types*



Specifications	ST642	ST643
Range	IR: -32°C ~ +535°C / Type K input	IR: -32°C ~ +760°C / Type K input
Accuracy	±2% rdg. or ±2°C (whichever is greater)	
Resolution	0.1°C	
Emissivity Adj.	0.10 ~ 1.00 (E-Smart with auto set - optional surface probe required)	
Field of View	12:1 minimum spot 15mmØ	
Spectral Range	5 ~ 14 µm	
Sighting	Laser - single beam	
Alarms	High and low (Flashes Red)	
Additional Functions	Max / Min / Ave / ΔT / Backlight	
Accessories	c/w carry case and battery	

ST672 & ST677 *Medium Range Gun Type*

Specifications	ST672	ST677
Range	-32°C ~ +1300°C	-32°C ~ +1650°C
Accuracy	±2% rdg. or ±2°C (whichever is greater)	
Resolution	0.1°C	
Emissivity Adj.	0.10 ~ 1.00	
Field of View	30:1 minimum spot 15mmØ	50:1 minimum spot 15mmØ
Spectral Range	8 ~ 14 µm	
Sighting	Laser - single beam	
Alarms	High and low	
Additional Functions	Max / Min / Ave / ΔT / Backlight	
Accessories	c/w carry case and battery	



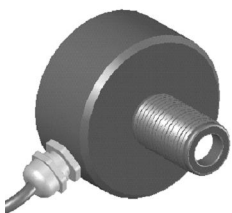
TI315 & TI315E *High Range Gun Type*



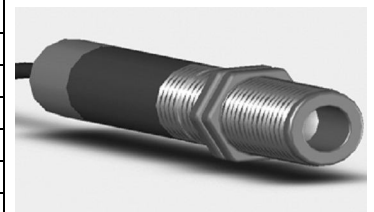
Specifications	TI315	TI315E
Range	+400°C ~ +1800°C	+500°C ~ +3000°C
Accuracy	±1% rdg. or ±1°C (whichever is greater)	
Resolution	1°C	
Emissivity Adj.	0.10 ~ 1.00	
Field of View	120:1 minimum spot 5mmØ	
Spectral Range	2.1 ~ 2.4 µm	
Sighting	Telescope (Through lens)	
Alarms	High and low	
Additional Functions	Max / Min / Ave / ΔT	
Accessories	c/w carry case and battery	

MTX50 Series Fixed Infrared Temperature Sensors

MTX50A
4-20mA version



Specifications	MTX50A	MTX50B
Range	0°C ~ +500°C	
Accuracy	±1% rdg. or ±1.5°C (whichever is greater)	
Linear Output	4-20mA two wire	0-5VDC four wire
Power Supply	24VDC (20mA max)	
Emissivity Adj.	Fixed at 0.95	
Field of View	15:1 minimum spot 13mmØ	
Spectral Range	8 ~ 14 µm	
Response Time	300ms (95% change)	
Protection	IP65 (NEMA-4)	
Working Conditions	0-60°C / 10-95% RH	



MTX50B
0-5V version

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