

Infrared Radiation Thermometers Handheld Type

IR-TA Series Handheld Type Radiation Thermometers

The IR-TA series hand-held type radiation thermometers measure temperature quickly from a distance - without contact. Ideal for applications in fields such as refrigeration show cases, transportation, storage, electronic/mechanical parts, food processing, construction, power facilities, etc.



Features

- Laser sight pinpoints measured spots. (IR-TA, IR-TAS)
- Automatic backlit LCD display at dark places by a brightness sensor (IR-TA, IR-TAS)
- Palm size, lightweight (IR-TA: 180g, IR-TAS: 220g, IR-TAF: 160g)
- Automatio power off for saving battery life
- MaxImum or minimum temperature display
- Audible buzzer high alarm standard (IR-TA, IR-TAS)
- Emissivity adjustable 0.30 to I .90 in 0.01 steps (IR-TA, IR-TAS), 0.8, 0.95 and 1.00 (IR-TAF)
- Conforming to CE-marking (IR-TA)

Models

Models	Features	
IR-TA	Standard type	
IR-TAS	Small spot size measurement	
IR-TAF	Simple function	

Specifications

Model	IR-TA	IR-TAS	IR-TAF	
Measuring system	Wide band radiation thermometer			
· .	-40 to 500°C		-30 to 400°C	
range				

Detector	Thermopile			
Spectral range	8 to 14 ^µ m			
Target size	Ф45/500mm	Ф30/1000mm	Ф45/500mm	
Accuracy rating	$\pm 1\%$ of reading or $\pm 2^{\circ}$ C, whichever larger $\pm 3^{\circ}$ C for -30 to 0° C, $\pm 5^{\circ}$ C for under -30°C		±1% of reading or ± 2 °C, whichever larger ±3°C for -30 to 0°C	
Repeatability	Within 1°C			
Response time	0.8 second (90% response)			
Collimation	Marking center of measu beam	Not available		
Display	LCD 3 digits display			
Emissivity	0.30 to 1.90 (0.01 step)	DARK (0.95), BRIGHT (0.80), STD (1.00)		
Alarm	Audible buzzer high limit	Not available		
Operating temperature	0 to 50°€			
Power supply	Alkali AA (UM-3) battery 2 pieces			
Batter life	About 50 hours continuous operation		About 70 hours continuous operation	
Weight	About 180g	About 220g	About 160g	
CE-marking	<pre><directive> 89/336/EEC, 92/31/EEC amendment, 93/68/EEC amendment <standard> EN55011 Group 1, Class B, EN50082-1</standard></directive></pre>	Not available		

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