

## AST Pyrometers Specification

## AST 測溫計規格

	<b>One Wavelength Pyrometer</b> 單波長測溫計		<b>Two Wavelength Pyrometer</b> 雙波長測溫計	
	<b>Low Temperature 低溫</b>	<b>High Temperature 高溫</b>	<b>Low Temperature 低溫</b>	<b>High Temperature 高溫</b>
Measured Temperatures Range 測溫範圍	250° - 750 °C 300° - 1000°C 350° - 1300°C	550° - 1400°C 750° - 2500°C 900° - 3500°C	300° - 750°C	750° - 1900°C 900° - 2700°C
Emissivity Range 發射率範圍	0.1 – 1.0 Value adjustable 0.1 – 1.0 可調值		0.1 – 1.0 Slope adjustable 0.1 – 1.0 可調斜率	
Spectral Range, μm 光譜範圍, μm	1,6	1,0	1.3-1.6	0,85-1,0
Photodetector Type 光電探測器類型	InGaAs	Si	InGaAs	Si
Time constant 時間常數	Serial Output RS232: 20msec – 10sec (adjustable) 序列輸出 RS232: 20msec – 10sec (可調整) Analog output 4-20mA: 2msec - 10sec (adjustable) 模擬輸出 4-20mA: 2msec - 10sec (可調整)			
Accuracy & Repeatability 準確度與重複性	+/- 0.5%			
Model 型號	<b>AST250</b>	<b>AST450</b>	<b>AST250C</b>	<b>AST450C</b>
Measurement spot size 測量點範圍	20mm from 1m (250° -750 °C) 10mm from 1m (300° -1000 °C) 5mm from 1m (350° - 1300°C) 5mm from 1M (500° -1500 °C)	20mm from 1m (550° - 1400°C) 10mm from 1m (650° - 1600°C) 5mm from 1m (750° -2500 °C)	20mm from 1m	
Outputs 輸出	Serial communication: RS232 Isolated; 序列通訊：單獨 RS232 Analog output : 4-20mA or (0-20mA / 0-10V) – optional 模擬輸出：4-20mA 或 (0-20mA / 0-10V) – 選配			
Power 電源	18-30V DC			
Laser aiming 鐳射瞄準	Class II Built in, Axial II 級內建，軸向		Class II External, removable cup II 級外置，可拆除式	
Laser Power	<1mW (with external switch)			

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鐳射電力	<1mW (帶外置開關)
Laser wavelength 鐳射波長	650-690nm (red)
Operating temperature range 操作溫度範圍	0°C +50°C 0°C +200°C (With Cooling Jacket 需配冷卻套)
Storage temperature 存儲溫度	-20 to +70°C
Operating humidity 操作濕度	Unlimited 無限制
Dimensions/Weight 尺寸/重量	Ø50mm; L=118mm; /0.6kg