

Specifications

Model	BA-30TA-S	BA-30TV-S	BA-06TA-S	BA-06TV-S	BA-30TC [Discontinued]	BA-06TC [Discontinued]	
Measurement range	0 to 500°C (32 to 932°F) (Display: -20 to 520°C (-4 to 968°F))						
Field of view	ø30 mm/1000 mm (Refer to field of view)		ø6 mm/200 mm (Refer to field of view)		ø30 mm/1000 mm (Refer to field of view)		
Optics	Silicone lens						
Sensing element/ spectral response	Thermopile/8 to 14 µm						
Response time	0.1 sec./90% response			0.5 sec./90% response			
Accuracy ¹ (ε≐1.0)	(±1% or ±2°C (3.6°F) of reading value, whichever is greater) ±1 digit						
Repeatability	±1°C (1.8°F)						
Emissivity (ε) adjustment	0.10 to 1.20 (0.01 per step)						
Digital display resolution	1°C (1°F) (digital display on back of main unit)						
Analog output	4 to 20 mA, Scalable	1 mV/°C	4 to 20 mA, Scalable	1 mV/°C	-		
Analog output resolution	0.2°C (0.36°F)				-		
Relay output	-			Photo MOS, 350 mA/100 VDC or less (1 output)			
Output update time	-			50 ms			
Functions	Sighting function: Coaxial laser marker Class 2 (IEC / JIS / FDA ※ ₂) Simple emissivity adjustment: TEACH function Response time selection (DELAY) function: 1 (0.5 sec.) to 200 (approx. 10 sec.)						
Supply voltage/ current consumption	12 to 24 VDC ±10%/150 mA or less (at max. load)						
Ambient temperature	0 to 50°C (32 to 122°F)						
Ambient humidity	35 to 85% RH (no condensation)						
Storage temperature	-10 to 60°C (14 to 140°F)						
Vibration resistance	3G (20 to 50 Hz, according to IEC 60068-2-6)						
Degree of protection	IP65						
Applicable regulations	EMC						
	EMC Directive (2014 / 30 / EU)						
Environment		RoHS Directive (2011 / 65 / EU), China RoHS (MIIT Order No.32)					

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	Safety					
	FDA Regulations (21 CFR 1040.10 and 1040.11) (except for deviations pursuant to Laser Notice No.50)					
Applicable standards	EN 60825-1					
Weight	Approx. 350 g (including cable)			Approx. 360 g (including cable)		
Material	Ring/housing: Glass-filled PBT, Rear: PSF, Cover: PC					
Standard included accessories	Main unit mounting bracket ×1, mounting screw (M4) ×2					

*1 The measurement accuracy in the specification is limited to the calibration conditions of our factory.

*2 This product is classified as Class 2 by IEC 60825-1: 2007 according to Laser Notice No.50, FDA Guidance Document.

• Note that specifications are subject to change without prior notice for product improvement purposes.