

➤ NON-CONTACT TEMPERATURE SENSORS FOR RELIABLE PROCESS CONTROL

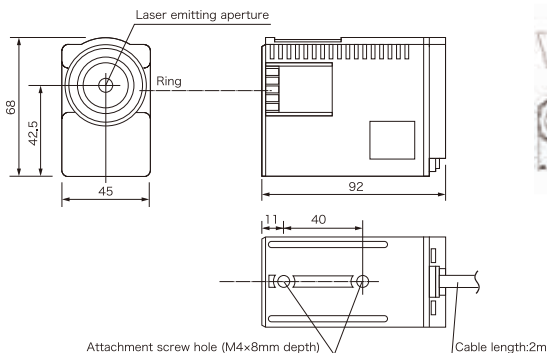
NON-CONTACT THERMO SENSORS SPECIFICATIONS



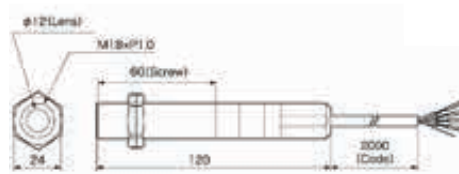
MODEL	SA-80T-2A		SA-80T-4A		BA-06TA	BA-06TC	BA-06TV	BS-30T	BS-05T	BS-02T
					BA-30TA	BA-30TC	BA-30TV	BS-A		BS-V
ANALOG/RELAY OUTPUT	4-20mA				4-20 mA	350 mA-DC 100 V Max.	1 mV/°C	4 to 20 mA		1 mV/°C
OUTPUT RENEWAL / RESOLUTION					0.2 °C	50 msec.	0.2 °C	0.2°C		
FIELD OF VIEW	ø80/500 mm				BA-06T*: ø6 mm/200 mm BA-30T*: ø30 mm/1000 mm			ø30 mm/ 500 mm	ø5 mm/ 100 mm	ø2 mm/ 50 mm
MEASURING RANGE	0 to 200 °C		0 to 400 °C		0 to 500 °C			0 to 500°C (32 to 932°F) (Display: -20 to 520°C (-4 to 968°F))		
DISPLAY RANGE					-20 to 520 °C			-20 to 520 °C		
OPTICS	Silicon Lens				Silicon Lens			Silicon Lens		
SENSING ELEMENT/WAVELENGTH	Thermopile / 8~14 µm				Thermopile / 8 ~ 14 µm			Thermopile / 8 ~ 14 µm		
RESPONSE TIME	100 ms/90%				100 ms/90%			0.5 sec./90%		
ACCURACY	0~200 °C: ± 2 °C, 201~400 °C: ± 1%				± 1% of reading value or ± 2 °C ± 1 digit, whichever is greater (ε=1.0)			± 1% of reading value or ± 2 °C ± 1 digit, whichever is greater (ε=1.0)		
REPEATABILITY	± 1 °C of reading value				± 1 °C of reading value			± 1 °C of reading value		
DISPLAY RESOLUTION	1 °C				1 °C			1 °C		
SIGHTING METHOD					Coaxial laser marker (Class 2)			Coaxial laser marker (Class 2)		
EMISSIVITY RATIO (ε) ADJUSTMENT	0.95				0.10 - 1.20 (0.01/1 step)			0.10 - 1.20 (0.01/1 step)		
DELAY FUNCTION					1 (0.5 sec.) - 200 (approx. 10 sec.)			1 (0.5 sec.) - 200 (approx. 10 sec.)		
CURRENT CONSUMPTION	12 - 24 V DC ± 10%, 70 mA max.				12 - 24 V DC ± 10%, 150 mA max.			12 - 24 V DC ± 10%, 70 mA max.		
AMBIENT TEMPERATURE	0 to 70 °C				0 to 50 °C			0 to 65 °C With air purge/water-cooling jacket installed: Air-cooled: 0 to 80 °C Water-cooled: 0 to 150 °C		0 to 50 °C
ENVIRONMENTAL HUMIDITY	35 - 85% RH (without dew condensation)				35 - 85% RH (without dew condensation)			35 - 85% RH (without dew condensation)		
STORAGE TEMPERATURE	-20 to 70 °C				-10 to 60 °C			-20 to 70 °C		
VIBRATION RESISTANCE	10-55 Hz, amplitude 1.5 mm, two hours each in direction X,Y, Z				3G (20 to 50 Hz, according to JIS C0911)			3G (20 to 50 Hz, according to IEC 60068-2-6)		
WATER RESISTANCE	IP67				IP65			IP67 IP65		

NOTE: Specifications subject to change without notification.

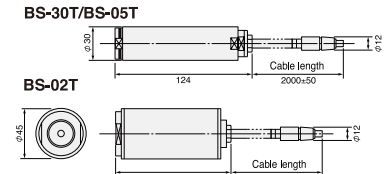
BA-06** / BA-30**



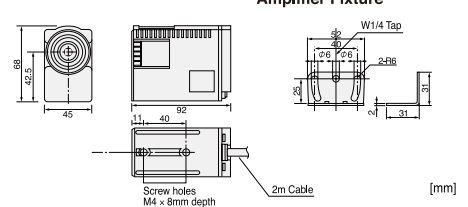
SA-80T-2A / SA-80T-4A



• Sensor Head



• Amplifier



NON-CONTACT TEMPERATURE SENSORS ARE THE PERFECT CHOICE FOR IN-PROCESS TEMPERATURE MEASUREMENT AND CONTROL.