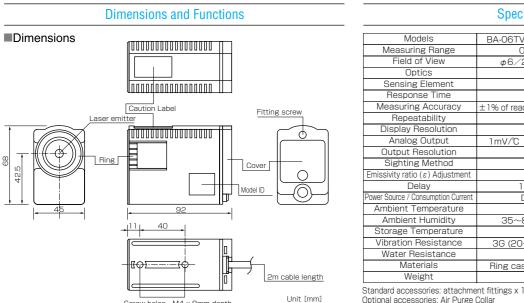
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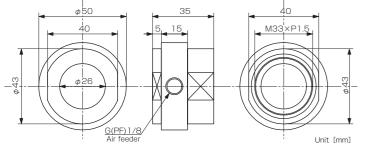
BUILT IN2



■Functions ENTER/LASER power switch

■Fixture

■Air purge collar (Option)





[Hint for accurate measurement]

The black tape (HB-250) is designed for more accurate measurement, especially if the target object has a shiny surface. Apply HB-250 on the surface of the target and measure the area covered by HB-250 with emissivity setting at

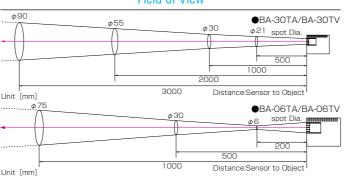
Specifications

Models	BA-06TV	BA-06TA	BA-30TV	BA-30TA
Measuring Range	0~500℃ (display -20~520℃)			
Field of View	φ6/200mm		φ30/1000mm	
Optics	Silicon lens			
Sensing Element	Thermopile/8~14µm			
Response Time	500ms/90%			
Measuring Accuracy	\pm 1% of reading value or \pm 2°C, whichever is larger (ε \approx 1.0)			
Repeatability	±1°C of reading value			
Display Resolution	1℃			
Analog Output	1mV/℃	4-20mA	1mV/℃	4-20mA
Output Resolution	0.2℃			
Sighting Method	Coaxial laser marker (Class 2)			
Emissivity ratio ($arepsilon$) Adjustment	0.10~1.20 (0.01/1 step)			
Delay	1 (0.5sec)~200 (Approx 10sec)			
Power Source / Consumption Current	DC12~24V±10% · MAX150mA			
Ambient Temperature	0~50℃			
Ambient Humidity	35~85%RH (without dew condensation)			
Storage Temperature	-10~60℃			
Vibration Resistance	3G (20~50Hz, in accordance with JIS C0911)			
Water Resistance	IP65			
Materials	Ring case: glass-containing PBT, Rear cover: PC			
Weight	350g			

Standard accessories: attachment fittings x 1, attachment screw (M4) x 2

*Design and specifications are subject to change for product improvement without prior notice

Field of View



**The optical resolution values stated in Field of View are at 90% energy.
The size of the target object should be sufficiently lager than the field of view

△WARNING	Do not look into the laser nor direct it toward the eyes. Even the reflection is harmful. Laser may cause eye injury or damage your health.
This product is not a clinical thermometer; therefore, it cannot be used for medical purposes.	

OKEEP THE THERMOMETER AWAY FROM DIRECT SUNLIGHT, DUST, HIGH TEMPERATURES AND

- HIGH HUMIDITY WHILE IN USE AND STORAGE.
- **Q** DO NOT EXPOSE THE THERMOMETER TO SUDDEN TEMPERATURE CHANGES
- ♠ KEEP THE THERMOMETER AWAY FROM STRONG ELECTROMAGNETIC SOURCES
- CORROSIVE OR EXPLOSIVE GASES.

NAVOID MEASURING SHINY SURFACES.

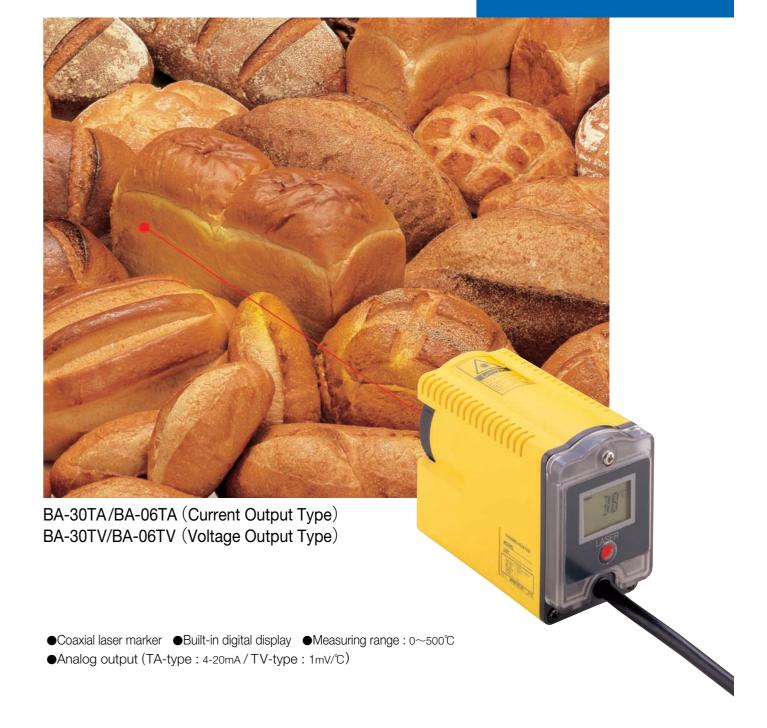
① DO NOT LET THE THERMOMETER TOUCH THE OBJECTS THAT IS BEING MEASURED.

• KEEP THE THERMOMETER AWAY FROM CHARGED OBJECTS.

Products mentioned in this catalogue are equipped with Class 2 laser. In case of re-export to foreign countries, please confirm the relevant regulation for lase

A built-in coaxial Laser Marker lets you easily target the object, giving accurate measurement with ε -TEACH function.







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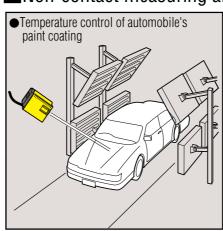
Tel: +1 (281) 516-9292 / (888) 275-5772 eFax: +1 (866) 234-0451 Web: https://www.abqindustrial.net E-mail: info@abqindustrial.net

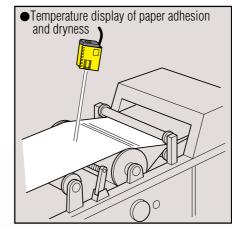
Measure Objects Quickly and Accurately keeping a Safety Distance --Spot measuring within a temperature range of 0~500℃ at ±1% level of precision

> Optex's Built-In 2 Thermo-Hunter is the first non-contact thermometer of its class incorporating a digital display. Plus, it comes in a compact body packed with many built-in user-friendly features to help you to measure objects with high precision.

The \mathcal{E} -TEACH function lets you easily adjust the emissivity ratio. The Coaxial Laser Marker allows you to confirm the measuring area.

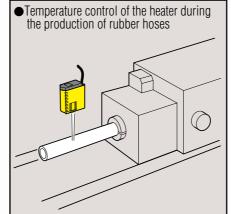
Non-contact measuring and the digital display offer a wide range of applications

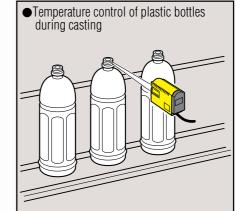






BA-AP1





Max.0.2MPa(2Kgf/cm²) 50 to 150Nℓ/min 0 to 50℃ temperature and ai Conduit aperture G(PF)1/8 Weight About 90a Material **Aluminium**

Adaptable to dusty environments

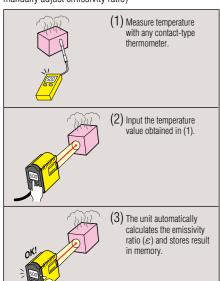
Air purge collar(Option)

THERMO-HUNTER BUILT-IN2



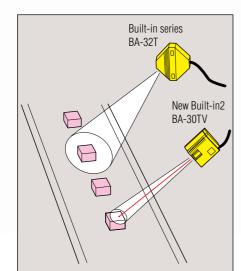
ε -TEACH Function Simplifies **Emissivity Adjustment**

Enter the temperature measured by a contact-type thermometer (thermocouples, etc.) just once and the rest is automatic. The unit calculates the emissivity $ratio(\varepsilon)$ and memorizes the result. (You may also manually adjust emissivity ratio)



Precise spot measurement in sharp field of view from a safety distance

You can precisely measure small targets within a narrow area from a distance. You can measure an object's temperature with accuracy just like a spot-light aiming at the object.



Coaxial laser marker lets you assure the target with your own eyes

The built-in coaxial laser marker allows you to check the field of view. It also enables you to focus quickly and easily on the object with precision since it aims at the center of the object, preventing

the thermometer from slipping slightly off into the wrong axis.



2-type analog output

You can choose an analog output from the two types: TV-type(1mV/°C) which can be connected to devices such as a panel meter or a TA-type(4-20mA) which is suitable for long-distance transmissions

