

DIGITAL INFRARED THERMOMETER

MODEL NO. BE1850



APPLICATION

The Professional Digital Infrared Thermometer is a reliable device used for measuring temperature of the object's surface, which is applicable for various hot, hazardous or hard-to-reach objects without contact safely and quickly. Just aim the Laser Point, press the button, and read the temperature in less than a second. It makes aiming even more precise.

- * Heat ventilation air-conditioning and refrigeration
- * Automotive industry
- * Food preparation
- * Horticulture
- * Construction, mechanics and hot spots
- * Electrical & power voltage/current inspection field
- * Water treatment and water quality inspection
- * Environmental monitoring
- * Marine and weather
- * Gas industry
- * Food processing industry.

KEY FEATURES

- Memory storage function
- Wide Temperature range with 200~ 1850°C / 392 ~ 3362°F
- With D:S = 80:1, maximum distance from the target object
- RS-232 Interface connect to computer
- Highly accurate and reliable
- Emissivity 0.10~1.00 Adjustable (Preset at 0.95)
- Spectral Response from 900-1700nm
- Large clear LCD display with Backlight
- 3 levels Battery Life Indication
- Auto Power Off
- Data Store/Recall Function
- Data Hold Function
- Access surface temperature in 1 second
- Selectable between °C and °F
- Adjustable High / Low Temperature Alarm
- Fast response time (0.5 seconds)
- Measure hazardous or inaccessible objects (high-voltage parts)
- Maximum, Minimum, Average and Difference temperature functions
- Laser Target Pointer selection



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SPECIFICATIONS

- * Measuring Range: 200~ 1850°C / 392~ 3362°F
- * Accuracy: 200~ 1850°C (392~3362°F) : $\pm 1.5^{\circ}\text{C}$ ($\pm 2.7^{\circ}\text{F}$) or $\pm 1.5\%$
- * Distance to Spot Size / D:S Ratio: 80:1
- * Resolution: 0.1 °C/°F
- * Repeatability: 1% of reading or 1°C
- * Response Time: 500mSec, 95% response
- * Wavelength: 900-1700nm
- * Emissivity: 0.10-1.00 adjustable
- * Laser Power: <1 mW
- * RS232 Recall
- * MAX/MIN/AVG/DIF reading
- * High/Low temperature alarm setup
- * Operating Environment : Temperature: 0~40°C (32~104°F)
- * Humidity: 10~95% R.H. non-condensing at up to 30°C (86°F)
- * Storage Temperature: -20~60°C (-4~140°F)
- * Low battery indication (3 levels)
- * Power: 1 x 9V Battery (included)
- * Typical Battery Life (Alkaline): 12 hours (Laser), 22 hours (non-Laser)
- * Item Size: approx. 141 x 60 x 200mm
- * Item Weight: approx. 270g



ACCESSORIES

- * 9V battery x 1pc
- * Software x 1pc
- * RS-232 connect cable x 1pc
- * Instruction Manual
- * Gift box and carrying case