

Hemsun Analytics

C-101, Ganesh Greens
Near Vandematram, GST Road,
Chenpur, Ahmedabad - 382470
Tel: +91 7383 4660 60/70
Email: info@hemsun.co.in



COMPLETE RANGE OF INDUSTRIAL PYROMETRIC & THERMAL IMAGING INSTRUMENTS

Non - Contact Type Infrared Thermometer HP1850




Features

- Compact, rugged and easy to use, Durable, Ergonomic construction
- Laser Target Pointer selection
- Back Light LCD display ON/OFF selection
- Low Battery Indication
- Data Hold Function
- Auto Power Shut Off.
- MAX/MIN/AVG/DIF reading
- High/Low Temperature alarm setup
- Data Store/Recall Function
- °C/°F Selection
- Just Aim And Push The Button - Reads Current Surface Temperature In Less Than A Second
- Safely Measure Surface Temperature Of Hot, Hazardous Or Hard To Reach Objects Without Contact

Description

Infrared thermometers measure the surface temperature of an opaque object. The thermometer's optics sense emitted, reflected, and transmitted energy, which is collected and focused onto a detector. The unit's electronics translate the information into a temperature reading which the unit displays. The laser is used for aiming purposes only.

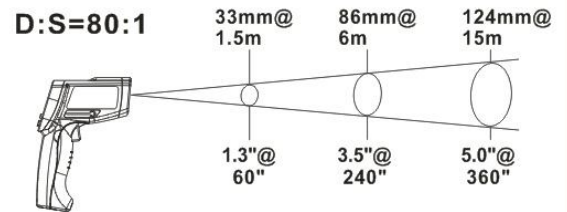
Technical Specifications

Measurement Range	200 °C ~ 1850 °C (392 °F ~ 3362 °F)
Accuracy	± 1.5 °C (± 2.7 °F) or ± 1.5% Which is larger
Resolution	0.1°C/°F
Distance to Spot Ratio	80 : 1
Emissivity	0.1 to 1.00 adjustable
Response Time	500 ms
Repeatability	±1% of reading or ± °C (±2 °F), whichever is greater
Spectral Response	8 m to 14 m
Laser power	Less than 1mW
°C/°F display selection	√
Data hold	√
Storage Temperature	-20 to 60°C (-4 to 140°F) without battery
Operating Temperature	0 to 40°C (32 to 104°F)
Relative Humidity	10 - 95% RH non-condensing @ up to 30°C
Display	Back light LCD display
Auto power off	7 Seconds
Low power indication	
Battery	6F22 (9V)
Typical battery life	Non-laser mode: 22 hours; Laser mode: 12 hours
Weight	312 g
Dimensions	(200mm x 155 mm x 59 mm)

Distance to Spot Ratio

The distance-to-spot ratio (D:S) is the ratio of the distance to the object and the diameter of the temperature measurement area. For instance if the D:S ratio is 12:1, measurement of an object 12 inches (30 cm) away will average the temperature over a 1-inch-diameter (25 mm) area. As the distance increases larger will be spot size

Diagram illustrating the D/S targeting ratio



Delivery

- 1 x Digital Infrared Thermometer
- 1 x English Manual
- 1 x DC Battery

For Any More Query Regarding Product, please contact us or write us on info@hemsun.co.in

The Above Specifications are standard for reference only. Product specifications and measuring ranges can be customize and supplied as per user confirmation.

Note: Specification and Features mentioned in datasheet will be change with application, Cause of Engineering Research, Design And Product Improvement; specifications are subjected to change without notice. Refer latest datasheet on website : www.hemsun.co.in