

Introducing the IRT-16 Infrared Thermometer

**From the world's most trusted name
in accurate, reliable temperature
measurement technology...Tempil.**

Introducing the Tempil IRT-16 Xtreme Duty, the industry's most advanced, non-contact infrared technology-based surface temperature measurement device. This lightweight and compact Tempil IRT-16 is easy to use, and has been engineered to provide superior accuracy and consistency in surface temperature measurement for a wide range of non-conventional surface temperature measurement applications.

The Tempil IRT-16 housing is molded of high-impact material to stand up to the everyday riggers of the job site. The IRT-16 is ergonomically designed for ease-of-use, and the backlit digital display is easy to read in virtually any light condition. The Tempil IRT-16 comes with a heavy-duty nylon holster for easy carrying and protection.

Designed to meet the needs of a wide range of applications, the Tempil IRT-16 will accurately measure temperatures in a range from -76°F to 1157°F \pm 2%. Easily adjustable emissivity, combined with laser targeting, and a 16:1 distance to spot ratio, allows for greater precision over a wide range of applications.



Tempil Xtreme Duty Infrared Thermometer IRT-16 —Designed for the Tough Jobs:

- Stationary surfaces, such as welding and metal fabrication
- Metal processing applications, such as preheating, annealing or stress relief applications
- Hot metal forming operations, such as roll stands or forging
- Non-stationary surfaces associated with conveyors or processing lines
- Hot and/or dangerous liquid and associated handling system components
- Contaminated surfaces or hazardous materials
- Electrical equipment, high-voltage components and other electric utility applications
- Difficult to reach internal machine components, bearing housings, motors and other plant maintenance applications
- Hard to reach HVAC surfaces, such as elevated components and other energy management applications
- Automotive diagnostics for commercial and racing applications

Accurate indication. Reliable results.™

Tempil®

www.tempil.com

IRT-16 Infrared Thermometer

Features:

- High-temperature range
- 16:1 distance to spot ratio
- Ergonomic hand grip
- Four digit backlit dual display
- °C or °F selectable readout
- Electronic trigger lock for continuous measurement
- Adjustable emissivity
- Laser sight switchable
- Min/Max/Avg and differential temperature modes
- Low-battery indication and auto power off
- A built-in jack for a K-Type thermocouple probe

Specifications:

- Measurement Range: -76°F to 1157°F (-60°C to 625°C)
- Operating Range: 32°F to 122°F (0°C to 50°C)
- Accuracy: ±2% of reading
- Resolution 0.1°F (0.1°C)
- Response Time: 1 sec.
- Emissivity: Adjustable 0.1~1.0
- Distance to Spot Ratio: 16:1
- Power: Two AAA Alkaline batteries
- Dimensions: 1.81 x 5.63 x 7.28 in.
(46.0 x 143.0 x 184.8 mm)
- Weight: 8.5 oz. (240 grams) including batteries
- Battery Life: Typ. 180 min., 140 hrs. continuous use
(Alkaline, without laser and backlight)

Supplied with:

- Heavy-duty nylon holster
- Two AAA batteries
- Instruction manual with emissivity table
- One year manufacturer's warranty

Options:

- NIST Certification available
- K-Type thermocouple probe



An Illinois Tool Works Company

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