INFRARED THERMO PROSKIT MT-4612

The **Proskit MT-4612** is a non-contact infrared thermometer designed for measuring temperature from a distance. It is commonly used in various applications, such as HVAC maintenance, electrical inspections, automotive diagnostics, and industrial processes. Here are some key features and specifications of the Proskit MT-4612:

Key Features:

1. **Non-Contact Measurement**: Allows you to measure temperature without touching the object, making it safe for measuring hot, hazardous, or hard-to-reach surfaces.
2. **Temperature Range**: Typically measures temperatures from **-32°C to 550°C (-26°F to 1022°F)**.
3. **Distance-to-Spot Ratio (D:S)**: Usually around **12:1**, meaning it measures a 1-inch diameter area from 12 inches away.
4. **Emissivity Adjustment**: Allows you to adjust the emissivity settings (usually between 0.10 to 1.00) for more accurate readings on different surfaces.
5. **Laser Targeting**: Equipped with a laser pointer to help aim the thermometer at the target area.
6. **Backlit LCD Display**: Features a clear, easy-to-read display with backlight for use in low-light conditions.
7. **Auto Power Off**: Helps conserve battery life by automatically turning off after a period of inactivity.
8. **Data Hold Function**: Freezes the displayed temperature for easy recording.
9. **Compact and Portable**: Lightweight and ergonomic design for easy handling.

Common Applications:

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- HVAC systems: Checking air vents, ducts, and equipment.
- Electrical systems: Identifying overheating components or circuits.
- Automotive: Diagnosing engine or brake system temperatures.
- Industrial: Monitoring machinery and processes.
- Food safety: Measuring surface temperatures of food or equipment.

Specifications (may vary slightly depending on the model):

- **Accuracy**: Typically ±2% or ±2°C (±3.6°F), whichever is greater.
- **Response Time**: Usually less than 500 ms.
- **Spectral Response**: Around 8–14 µm (infrared wavelength).
- **Power Source**: Often uses a 9V battery.
- **Weight**: Lightweight, usually around 200–300 grams.

Tips for Use:

- Ensure the lens is clean for accurate readings.
- Adjust the emissivity setting based on the material being measured.
- Avoid measuring reflective surfaces directly, as they can give inaccurate readings.