INFRARED THERMO UT-300S

The **UT-300S** is a non-contact infrared thermometer, commonly used for measuring surface temperatures from a distance. It is designed for industrial, commercial, and household applications. Below are some key features and specifications of the UT-300S:

Key Features:

1. **Non-Contact Measurement**: Allows you to measure temperature without touching the object, making it ideal for measuring hot, hazardous, or hard-to-reach surfaces.
2. **Infrared Technology**: Uses infrared sensors to detect thermal radiation emitted by objects.
3. **Wide Temperature Range**: Typically measures temperatures from **-32°C to 300°C (-26°F to 572°F)**.
4. **Laser Targeting**: Equipped with a laser pointer to help aim the thermometer accurately at the target.
5. **Backlit Display**: Features an LCD screen with backlight for easy reading in low-light conditions.
6. **Adjustable Emissivity**: Allows you to adjust the emissivity setting for different materials to ensure accurate readings.
7. **Auto Power Off**: Helps conserve battery life by automatically turning off after a period of inactivity.
8. **Compact and Portable**: Lightweight and easy to carry, making it suitable for on-the-go use.

Common Applications:

- **HVAC Systems**: Checking air ducts, vents, and refrigerant lines.
- **Electrical Maintenance**: Identifying overheating circuits, breakers, or connections.
- **Automotive**: Diagnosing engine temperatures, brake systems, or exhaust components.

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- **Food Safety**: Measuring surface temperatures of food or cooking equipment.
- **Industrial Use**: Monitoring machinery, bearings, or pipelines.

How to Use:

1. Point the thermometer at the target surface.
2. Press the trigger to activate the laser and take a temperature reading.
3. The temperature will be displayed on the LCD screen.

Tips for Accurate Measurements:

- Ensure the thermometer is clean and free of obstructions.
- Measure within the specified distance-to-spot ratio (e.g., 12:1 for the UT-300S).
- Adjust the emissivity setting based on the material being measured.

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