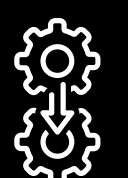




The ETS Thermo Sense Pyrometer is a compact, battery-operated temperature measurement device designed for precision and reliability in high-temperature industrial applications. Equipped with a bright 7-segment digital display, it provides clear and accurate temperature readings, even in demanding environments. Its portable design ensures ease of use in foundries, steel plants, and heat treatment facilities, making it an essential tool for on-the-go temperature monitoring. Built with high-accuracy sensors and a durable casing, the ETS Thermo Sense Pyrometer delivers fast, dependable readings while offering seamless compatibility with various thermocouple types for maximum versatility.

Key Features:

-  **Bright 7-Segment Digital Display**
-  **Battery Operated - Portable**
-  **High-Accuracy Measurement**
-  **Compatible with Various Thermocouples:
Works with Type S, R, B, and K sensors.**

-  **Durable and Lightweight Design**
-  **Wide Temperature Range**
-  **Easy Operation**
-  **Fast Response Time**





SPECIFICATIONS

Temperature Range: 800°C to 1767°C (or as specified)

Input Type: Thermocouple Type R (or as specified)

Indication: 3 ½ digit LED display with 0.3" (8mm) character height

Resolution: 1°C

Accuracy: Better than ±1% of the specified range

Ready/Reset Indication: Red LED on the left-hand side, reset via push-button switch

Measurement Over-Range Indication:

- Internal buzzer alarm
- Latched Flat Plateau temperature reading on display

Open Sensor Detection:

- Blinking digits (displaying either 2048 or the previously latched value)
- Audio alarm indication



Included Accessories:

- Lance (1500 mm) with receptacles
- Battery charger

Optional Accessories:

- Adapter for calibration through lance end
- BMD and MTR Thermocouple Tips

Application Areas:

- Foundries and steel plants
- Metallurgical and heat treatment industries
- Industrial furnace and kiln temperature monitoring

Temperature Threshold Detection: Internally preset crossing temperature level

Low Battery Indication: Red LED on the right-hand side of the front panel activates when battery voltage drops below 5V

Power Supply: 5V to 12V DC (4 × 1.2V NiCad rechargeable batteries)



ETS Thermo Sense Pyrometer [Upgraded]



The ETS Thermo Sense Pyrometer [Upgraded] is a next-generation, compact, battery-operated temperature measurement device designed for precision, reliability, and enhanced data management in high-temperature industrial applications. Retaining its rugged portability and accuracy, the upgraded model now features onboard storage for up to 511 readings and seamless data transfer to a PC via cable/ wire, enabling improved traceability and analysis. With a bright 4 digit 7-segment digital display, fast response time, and compatibility with multiple thermocouple types, it remains an essential tool for foundries, steel plants, metallurgical industries, and heat treatment facilities requiring dependable on-site temperature monitoring.

Key Features:

- Bright 4 digit 7-Segment Red LED**
- Battery Operated – Compact & Portable**
- High-Accuracy Measurement**
- Fast Response Time**
- Durable and Lightweight Industrial Design**

- New: Inbuilt Storage for up to 511 Readings**
- New: Data Transfer to PC via Cable/Wire**
- Wide Temperature Range Capability**
- Easy-to-Use Interface**
- Compatible with Various Thermocouples (Type S, R, B, K)**



SPECIFICATIONS

- Temperature Range: 800°C to 1767°C (or as specified)
- Input Type: Thermocouple Type R (or as specified)
- Indication: 4 digit LED display with 0.3" (8mm) character height
- Resolution: 1°C
- Accuracy: Better than $\pm 1\%$ of the specified range
- Ready/Reset Indication: Red LED on left-hand side, reset via push-button switch
- Temperature Threshold Detection: Internally preset crossing temperature level
- Low Battery Indication: Red LED activates when voltage drops below 5V
- Power Supply: 5V to 12V DC (4 × 1.2V NiCad rechargeable batteries)
- Measurement Over-Range Indication:
 - Internal buzzer alarm
 - Peak/Latched plateau temperature reading on display

Upgraded Data Storage & Transfer Information:

- Data Storage Capacity: Up to 511 readings
- Data Transfer: PC connectivity via cable/wire

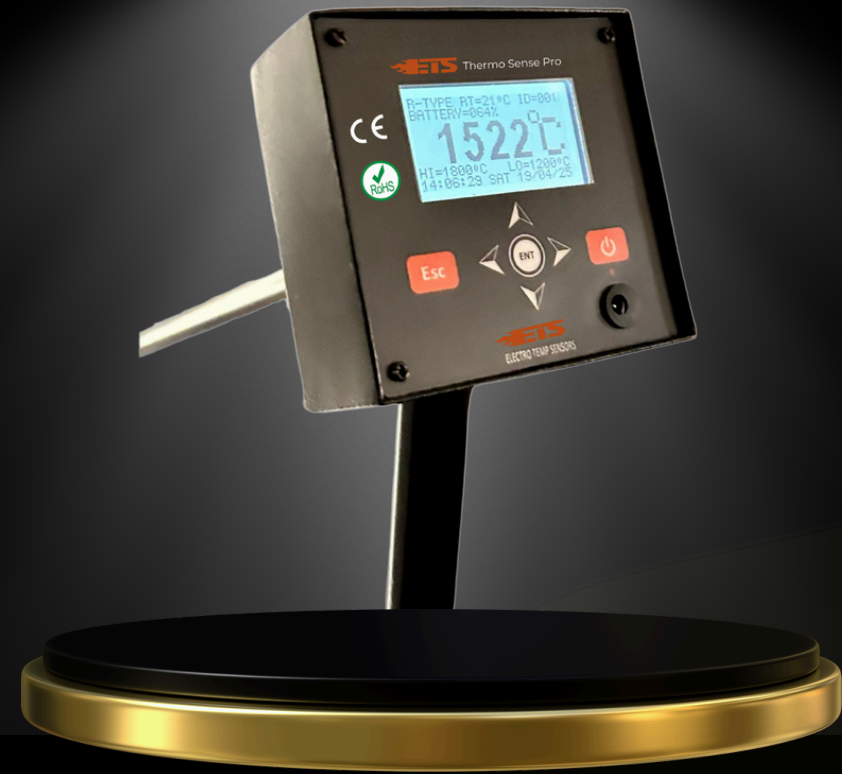
PLEASE NOTE: The pyrometer can store up to 511 readings. Once this limit is reached, the newest data will automatically overwrite the oldest entries. As the stored readings cannot be deleted directly from the device, we recommend transferring the data to a PC every 1–2 weeks for reliable tracking and record-keeping.

Each data entry includes Date, Time, Heat Number, and Temperature Reading, which can be conveniently transferred to a PC via the provided cable connection.

- Included Accessories
 - Lance (1200 mm) with receptacles
 - Battery charger
- Optional Accessories
 - Adapter for calibration through lance end
 - BMD and MTR Thermocouple Tips
- Application Areas
 - Foundries and steel plants
 - Metallurgical and heat treatment industries
 - Industrial furnace and kiln temperature monitoring



Thermo Sense Pro Pyrometer



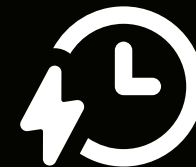
The ETS Thermo Sense Pro Pyrometer is an advanced, handheld temperature measurement instrument designed for enhanced accuracy, efficiency, and user convenience in molten metal applications. Available in Featuring a graphical LCD or O-LED display, expanded data storage, and an auto-calibration feature, this upgraded model provides real-time monitoring and improved usability for foundries, steel plants, and metal processing industries.

Additional Features:



Auto-Calibration Enabled

- User-configurable calibration settings ensure precise and reliable measurements.
- Reduces dependency on external calibration tools.



Faster Response Time

- Enhanced thermocouple detection system reduces lag, providing nearly instantaneous temperature readings.



Wireless Connectivity Option (Optional Upgrade)

- Enables Bluetooth or USB data transfer for real-time monitoring and reporting.





Upgraded Features



- **Graphical LCD or O-LED Display:** Provides clear, high-contrast readings for better visibility in various lighting conditions, ensuring easy monitoring.
- **Battery-Operated & Portable:** Lightweight and ergonomic design, making it convenient for field applications and mobile usage in industrial settings.
- **High-Accuracy Measurement:** Utilizes advanced thermocouple technology to ensure precise and reliable temperature readings for critical industrial processes.
- **Fast Response Time:** Enhanced thermocouple detection system provides instantaneous temperature readings for improved efficiency.
- **Durable and Industrial-Grade Design:** Built with rugged casing to withstand harsh industrial environments, ensuring long-term reliability.
- **Wide Temperature Range:** Suitable for measuring high-temperature applications, ensuring adaptability for ferrous and non-ferrous molten metals.
- **User-Friendly Interface:** Intuitive controls and simplified navigation allow for quick and efficient operation, reducing operator errors.
- **Enhanced Data Storage:** Stores up to 1000 temperature readings, enabling users to track and analyze temperature trends for process optimization.

Advanced Ready/Reset Indication:

- "Ready" text displayed for clear status indication, replacing traditional LED indicators.
- Automatic reset function improves measurement efficiency.

Low Battery Indication:

- Battery level symbol (similar to mobile devices) provides real-time power monitoring.
- Alerts users before battery reaches critical levels, ensuring uninterrupted operation.
- **Thermocouple Compatibility:** Works seamlessly with Type S, R, B, and K thermocouples, allowing flexibility for various applications.





SPECIFICATIONS

Temperature Range: 800°C to 1767°C (or as specified)

Input Type: Compatible with Thermocouple Types S, R, B, and K (user-selectable)

Display: Graphical LCD or O-LED with backlight for improved readability

Resolution: 1°C

Accuracy: Better than $\pm 0.5\%$ of the specified range

Data Logging: As per Customer Requirement we will provide Storages up to 1000 readings for future reference

Measurement Over-Range Indication:

- Internal buzzer alarm
- Latched peak temperature reading on display

Open Sensor Detection: Flashing screen alert and audio warning for sensor disconnection

Power Supply: Rechargeable NiCd battery (4 x 1.2V, high capacity) for extended operation



Temperature Threshold Detection: User-adjustable preset values

Low Battery Indication: Battery level icon on display when voltage drops below 40%

Included Accessories:

- Lance (1500 mm) with receptacles
- Pin jack Fast Charging Adapter

Optional Accessories:

- Wireless Data Transfer Module (Bluetooth/USB)
- Advanced Data Logging & Analysis Software
- Interchangeable Probe Adapters for Various Thermocouples

Application Areas:

- Foundries and Steel Plants
- Metallurgical and Heat Treatment Industries
- Industrial Furnace and Kiln Temperature Monitoring
- Aluminum and Non-Ferrous Metal Casting

