



CANchecked TMU04 - Tire / Set Temp Monitoring - Wireless with charging box

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Opis produktu

Tire Temperature Monitor Wireless with Comprehensive Charging and Storage Box - TMU04

Enhance your vehicle's performance monitoring with the **Wireless Temperature Monitor**—a high-performance, wireless system featuring advanced infrared temperature sensors with CAN connectivity. This complete set includes four multi-channel sensors, a CAN receiver, and now a **comprehensive charging box** that not only charges all four sensors simultaneously but also provides dedicated storage for the CAN receiver. With this added functionality, you'll have an organized, ready-to-go system for easy setup and seamless mobility between vehicles.

Key Features:

- **Wireless and Easy-to-Install:** Simple setup with quick transfer between vehicles
- **Advanced Multi-Channel Infrared Monitoring:**
 - Configurable 8 channels per tire or brake disk
 - Adjustable refresh rate up to 50Hz for precise, real-time insights
- **Comprehensive Charging and Storage Box:**
 - Simultaneously charges all four temperature sensors, ensuring they're always ready for track use
 - Built-in storage compartment for safe and convenient transport of the CAN receiver box
- **Rechargeable Battery for Extended Use:**
 - 250mAh battery (USB-C charged) in each sensor
 - Delivers up to 15 hours of active track use per charge
- **High Precision and Wide Temperature Range:**
 - Operating range: -40 to +300°C with $\pm 1^\circ\text{C}$ accuracy
 - Field of view: 110° x 6° for full coverage, with an optional 55° for focused measurements
- **Rugged and Compact Design:**
 - Dimensions: 64.0 x 42.0 x 17.5 mm
 - Weight: 57g
 - Durable aluminum/polyamide housing, IP65 rated for tough environments
 - Operating temperature: -40 to +85°C
 - **Optional Protecting Lens:** Available to enhance durability and protection
- **Receiver Specifications:**
 - Supply voltage: 5-20V
 - Supply current: 50mA
 - CAN standard: 2.0A (11-bit) or 2.0B with selectable bit rates (500 Kbps default / 1Mbps)
 - Configurable settings for emissivity, channel, CAN speed, and CAN ID
 - Default CAN ID (adjustable): 0x310 / 0x210
 - Temperature conversion: -200°C offset, 0.1°C per bit resolution

What's Included:

- 4x TMU01 Sensors
- 1x Can Bus Receiver Box
- 1x Charging Box

Perfect for professional racing and high-performance testing, the Untethered Temperature Monitor with its new charging and storage solution provides unmatched convenience and reliability, making it easier than ever to track and manage tire and brake performance data. For developers, comprehensive documentation is available for easy integration with CAN applications. Reach out to us to learn more!