



Brake and Tire Temperature Measurement for Road Tests

8-channel telemetry transmitter for wheel mounting

An advanced telemetry system for temperature measurement in brake systems and tires on cars, trucks or buses is available from datatel. The equipment was specially developed for road test applications.

The single or multichannel telemetry system transmits without contact the signals of up to 12 thermocouples with high reliability and accuracy from the rotating wheel to the mobile receiver unit inside the vehicle.

The telemetry transmitter with its special signal conditioning electronics can accept either grounded or ungrounded thermocouples. The user-friendly screw terminal interface makes the thermocouple hook-up easier because no soldering is required.

The rotating telemetry transmitter unit is powered by easily interchangeable batteries. The operating time is up to 80 hours with a fresh set of batteries. An integrated power monitoring system indicates in good time when the batteries have to be changed.

The mobile telemetry receiver unit provides either analog or digital output of the measured data to the external data recording device.

T/C linearization and T/C open detection options are available. The telemetry transmitter is packaged into a robust, waterproof housing, which is easily adaptable to different wheel hubs.

- Reliable temperature measurement in brakes and tires in road test applications
- Turnkey system ensures easy installation and set-up
- Wireless transmission of measured data via telemetry from the rotating wheel
- High accuracy and excellent signal quality
- 1, 4, 8 or 12 thermocouple inputs
- Grounded and ungrounded thermocouples can be used
- Thermocouple "open" detection
- Telemetry transmitter features screw terminal interface for thermocouple hook-up, no soldering required
- Robust and waterproof design
- Battery power supply, up to 80 hours operating time