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ALSENSE

Temperature Monitor Untethered

Complete set of four wireless advanced multi-channel infrared tire or brake temperature sensors plus receiver with CAN connectivity. Fully configurable, 8 temperature channels per tire or brake disk with a refresh rate of up to 50Hz. Rechargeable battery with 15 hours of active track time use.

Being a wireless setup, it's very easy to install and moving it from one car to the next literally takes minutes.

Sensor

Temperature Range	-40 to +300 (tire) /+1200 (brake) °C
Channels	8 or 4 (configurable) default 8
Accuracy	+/- 1% up to 150 °C, +/- 3% over 150 °C
FOV	110° x 6°
Refresh Rate	1-50Hz (configurable) default 20Hz
Battery	250mAh (USB-C charged)
Autonomy	15 Hrs (track use)
Dimensions	64.0 x 42.0 x 17.5mm
Weight	57g
Material	Aluminum / Polyamide
IP Rating	IP65
Operating Temperature	-40 to +85°C

Receiver

Supply Voltage	5 - 20V
Supply Current	50mA
Connector	DTM04-4P (mating plug DTM06-4S included)
CAN Standard	2.0A (11-bit identifier) or 2.0B
Bit Rate	500 Kbps (default) / 1Mbps (configurable)
Byte Order	Big-Endian (MSB first)
CAN Termination	none
Transmit Base CAN ID	Default 0x310 (tire) / 0x210 (brake) (adjustable)
Temperature Conversion	-200°C offset, 0.1°C / bit
Programmable Parameters	Emissivity/Channel/Can Speed/Can ID

* Please see "Temperature Monitor - CAN-Transmit and Config" document for full details regarding the communication protocol