



Powered by



## Temperature Monitor Cabled

Advanced multi-channel infrared tire or brake temperature sensor with CAN connectivity. Fully configurable, up to 16 temperature channels per tire or brake disk with a refresh rate of up to 64Hz. Knowing how the surface temperature evolves across a lap is invaluable for chassis tuning, driver training and setup selection.

### Sensor

Temperature Range	-40 to +300 (tire) / +1200 (brake) °C
Channels	16, 8, 4 or 1 (configurable)
Accuracy	+/- 1% up to 150 °C, +/- 3% over 150°C
Field of view	110° (55° on request)
Refresh Rate	1-64Hz (configurable)

### Electrical

Supply Voltage	5 - 20V
Supply Current	15mA

### Physical

Dimensions	48.6 x 25.75 x 13.3 mm
Weight	25g
Material	Aluminum
IP Rating	IP66
Operating Temperature	-40 to +85°C

### Communications

CAN Standard	2.0A (11-bit identifier) or 2.0B
Bit Rate	500Kbps (default) / 1Mbps
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

### Wiring

Cable	0.5m AWG22
Connector	DTM04-4P (mating DTM06-4S included)