



Brake Turtle™ PRO

Brake Rotor Temperature Sensor



Team Plus® BRAKE TURTLE™ PRO is an add-on to our award winning WHEEL TURTLE® PRO sensor adding brake rotor temperature measurement for brake management. BRAKE TURTLE™ PRO streams LIVE by Bluetooth to the WHEEL TURTLE® PRO which then adds it to the live data transmitted to Team Plus® TELEDASH™ smart phone app, RaceChrono smart phone app, OR to your CANbus race dash logger using Team Plus® CANGate®.



Infrared Thermal Array

Brake Turtle™ PRO contains a thermal array sensor that finds the hottest spot in view (normally the brake rotor) and sends it at 15Hz to its partner Wheel Turtle®



Auto configuration

Brake Turtle™ PRO will automatically negotiate over Bluetooth with its closest Wheel Turtle® PRO to setup the location and id of the device. No need to set device ID of brake sensors.



Rugged Aluminium Body.

Brake Turtle™ PRO has an Aluminium body and fixed sensor head to cope with the harsh environment of a race track. It has extra layers of water sealants and hardwired cable with USB-C connector. Designed to be permanently installed in a race car.



High Temperature Range.

Brake Turtle™ PRO measures temperatures up to 1000 °C (1832 °F). A 33 degree field of view allows for flexible sensor positioning to see the brake rotor.

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Technical Specifications



Dimensions	L: 47mm W: 50mm H: 15mm	1 7/8" 1 15/16" 9/32"	Processors	ESP32-S3 module Xtensa® dual-core 32-bit LX7
Sensor	32x32 IR Thermal array sensor 0-1000 C (32-1832F)		Connections	USB-C connection for power supply and firmware updates. Bluetooth Connection to Team Plus® Wheel Turtle® PRO to pass data to Team Plus® TeleDash™ or Team Plus® CANGate®.
Weight	34g (1.2oz)		Power Consumption	0.12A @ 5.12V
Firmware	Team Plus® Brake Turtle™ firmware. Updates available at https://team-plus.com/support		Standards and Compliance	RoHS - DZ-508 Board Pending CE RED - DZ-508 Board Pending FCC - - DZ-508 Board Pending
What's in the box	<ul style="list-style-type: none">• 4 x Brake Turtle™ PRO• EVA protective carry case• 2x 12V-5V DC Adapters• 4x 2m USB Cable		Bluetooth & WiFi	802.11 b/g/n 2.4GHz Wi-Fi Bluetooth v5.0 BR/EDR and BLE standards Data updates at 15Hz



Warranty

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Team Plus offers a 10 Year return to Manufacturer Warranty on Brake Turtle PRO. Team Plus Pty Ltd will repair or replace the failed product. Damage or failures caused by vehicle accidents are not claimable. Customer is responsible for postage costs of the product back to

Team Plus Pty Ltd.
PO Box 200
Erindale Centre, ACT 2903, AUSTRALIA

Team Plus Pty Ltd will pay for postage of repaired item back to the customer.

For Warranty Claims email info@teampus.cloud

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