



PRODUCT DATA SHEET

DETAILS AND SPECIFICATIONS

TRACER TRANSCEIVER **(USED WITH 3RD PARTY SENSORS)**

The Motion Instruments Tracer Transceiver is designed to be used with AIM 3rd party sensors. The Transceiver is terminated with a 4 pin female Binder connector commonly used with AIM potentiometer position sensors. Tracer Transceiver can be ordered with support for any length AIM position sensor.





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Feature	Description
Replaceable battery	CR2032 Coin Cell Battery is easily replaced
Connector	BINDER: 09-9764-70-04 (Mate: BINDER: 09-9767-71-04)
System Run Time: Advertising (Not Connected, 230 mAh battery)	545 Hours
System Run Time: Sleep (Designed to wake up when bike is shaken 1g)	~40,000 Hours
System Run Time: Connected, Live Streaming to Phone (Non continuous, IE: normal use)	>150 Hours @ 200 Hz
Accelerometer Range	16g
Vibration sample rate	100 Hz
Position sample rate	200 Hz
Wireless Protocol	BLE 4.2
Supported Recording Devices	iOS Only: Version 12 or newer
ADC Error Rate	~0.15%
Sleep mode activation	Shake bike, sensor remains awake and advertising for 10 seconds.. Vibration <1g will not wake up sensors. Designed to save battery life when transporting your bike.
Lean Angle	Future support through embedded 6 axis MPU
Power optimization when not in motion	Controlled by MotionIQ in Auto (GPS enabled) recording mode.
Warranty	90 days, normal use. All parts are replaceable.

Connector Signal Pinout

