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SA-TMS_LDL_B(_C)_V3 Wireless Tire Monitoring Sensor

Bike

Car

Bike 8.5mm 90°

Bike 8.5mm 180°

Car 8.5mm 180°

Car 11.5mm 180°

Key Features

- Internal calibration and temperature compensation
- Tire pressure and temperature sensor including RF transmitter
- Rugged to endure high centrifugal stress (up to 400km/h) and vibration / shock
- Adaptable to all rims
- Low mass
- Power management with “wake up" function of the sensor via a LF trigger remote controller (AC-TMS_LDL_Rem-000)
- 4 valve options on stock available

Options:

- Custom valves (90° Car, Stäubli, …) on customer request

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Technical specifications

Electrical characteristics		
Pressure		
Sensor range	bar	0 to 3.5
Resolution	mbar / bit	13.7
Measurement error		
@ 0 to +50°C	mbar	± 70
@ -20 to +125°C	mbar	± 175
Temperature		
Sensor range	°C	-20 to 125
Resolution	°C / bit	1
Measurement error		
@ -20 to +70°C	°C	± 3
@-20 to +125°C	°C	± 5
RF Frequency	MHz	433.92
Battery life	h	> 2160
Operational life	Month	22
5h / day @ 3d / week		

Mechanical characteristics		
Housing material		ABS-PC
Dimensions Bike	mm	37.5 x 25 x 21
Dimensions Car	mm	48 x 25.5 x 20
Sensor Bike	g	15
Sensor Car	g	18
Bike valve 8.5mm 90°	g	10
Bike valve 8.5mm 180°	g	7
Car valve 8.5mm 180°	g	11
Car valve 11.5mm 180°	g	23

Environmental data		
Operating range	°C	-40 to +125
Operation acceleration range	G	< 2000
Max. speed (centrifugal stress)	km/h	< 400

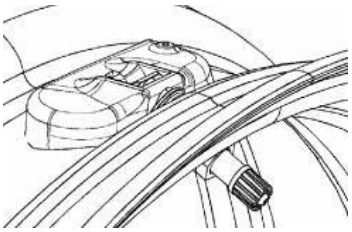
Ordering information	
SA-TMS_LDL_B_V3-000	Bike, 8.5mm 90° valve
SA-TMS_LDL_B_V3-001	Bike, 8.5mm 180° valve
SA-TMS_LDL_C_V3-000	Car, 8.5mm 180° valve
SA-TMS_LDL_C_V3-001	Car, 11.5mm 180° valve

Receiver Required

The sensors are designed to be used with the 2D CAN Receiver for Tire Monitoring System (BC-TMS_LDL_Rec_V2)

Installation

Bike



Car