

## Key Features

- Tire pressure and temperature sensor including RF transmitter
- Rugged to endure high centrifugal stress (up to 400km/h) and vibration / shock
- Increased transmit rate in case of drop of pressure
- Adaptable to all rims
- Low mass
- **Compatible with BC-TMS\_LDL\_Rec\_V2 only after FW update has been done.**
- Power management with "wake up" function of the sensor via a LF trigger remote controller (AC-TMS\_Rem\_LCD-000)

## Technical specifications

Electrical characteristics			Mechanical characteristics		
Pressure			Housing material		Peek + Epoxy
Sensor range	bar	0,8 to 9	Dimensions Bike	mm	69,3 x 22,55 x 14,6
Resolution	mbar	13,7	Sensor Bike, without valve	g	22
Measurement error @ 0 to +50°C	mbar	± 20			
Temperature					
Sensor range	°C	-0 to 130			
Resolution	°C	0,1			
Measurement error	°C	± 0,5			
@ -20 to +85°C	°C	± 5			
@ 85 to +130°C					
Relative Humidity	%RH	± 2			
Accuracy	%RH	0,1			
Resolution					
RF Frequency	MHz	433	Environmental data		
			Operating range	°C	-20 to +125
Battery capacity	mAh	400			
Max current consumption in moving mode	mAh	0,3	Operation acceleration range	G	< 500
			Max. speed (centrifugal stress)	km/h	< 400
Ordering information					
SA-TMS_B_V4-000					
Bike, 8.5mm 90° valve					

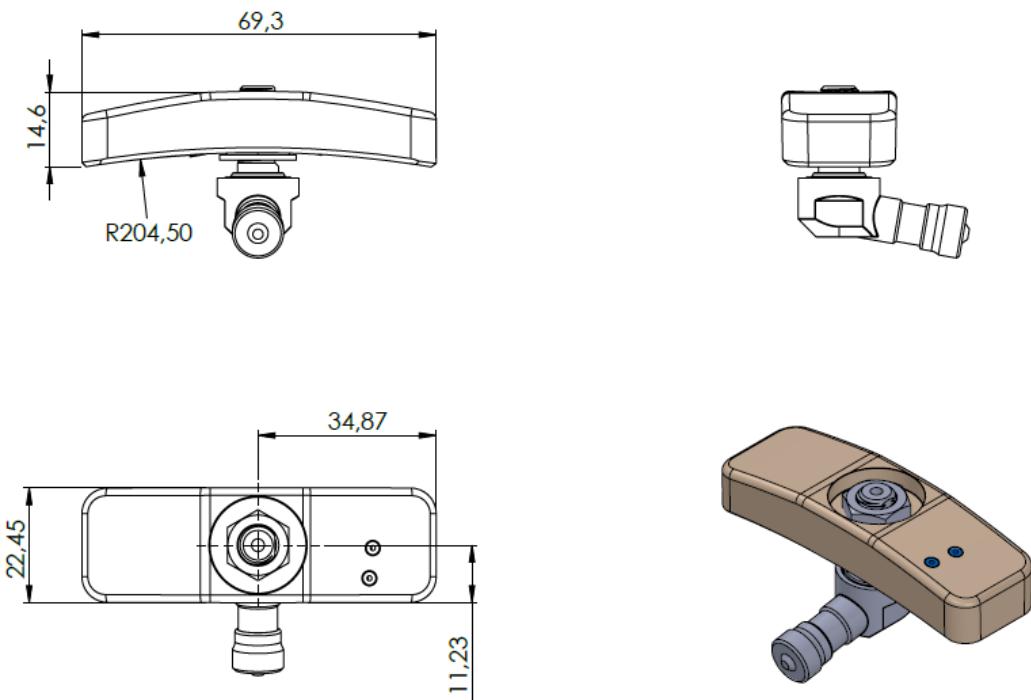
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### Receiver Required

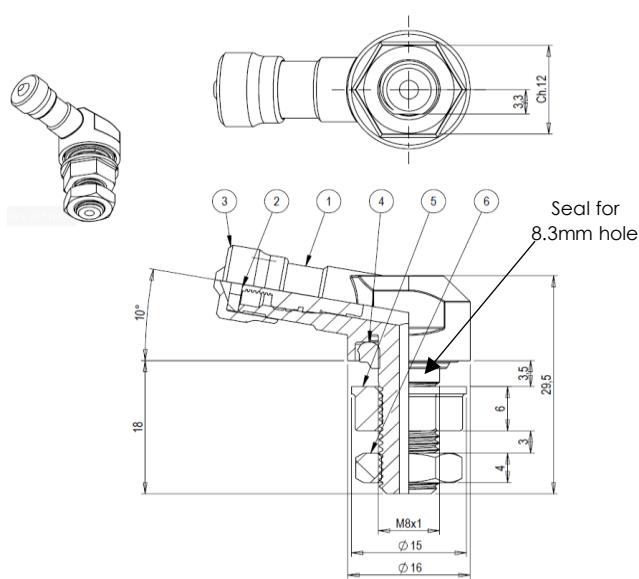


The sensors are designed to be used with the 2D CAN Receiver for Tire Monitoring System (BC-TMS\_LDL\_Rec\_V2), **please get in contact with 2D regarding necessary FW update.**

### Mechanical drawing



### Mechanical drawing Valve



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