

# Bearing Temperature & Condition Sensor

## BS 06 16

THIS WIRELESS SENSOR MONITORS BEARING TEMPERATURE AND CONDITION AND DETECTS FLAT WHEEL. SUPPORTS EARLY FAILURE DETECTION AND PREDICTIVE MAINTENANCE.

### USAGE AND CHARACTERISTICS

- » Wireless sensor with Bluetooth® technology
- » Part of Smart Wagon® Solution
- » Detects flat wheel and signs of bearing seizure
- » Generates alert on bearing overtemperature condition
- » Installed in place of one of the bearing housing cover bolts
- » Measures and sends values to the main GPS unit, data from the sensor are visible at the time of main GPS unit communication (depends on pre-selected interval)



### TECHNICAL PARAMETERS

<b>ANTENNA</b>	RF	Internal	
<b>BATTERIES</b>	Type and capacity	Li-SOCl2 - primary	14 Ah
	Battery life	Minimum 10 years   non-replaceable	
<b>SENSORS</b>	Temperature sensor	-40 °C up to 125 °C	
	Vibration sensor	Detects flat wheel and signs of bearing seizure	
<b>RF SENSOR INTERFACE</b>	Frequency	2,4 GHz	
	Type	Bluetooth, BT 5.0	
	Range	Up to 50 m	
	Data sending period - default	2 s	
<b>DIMENSIONS</b>	Plastic box (without bolt)	Ø 74 mm x 56 mm	
<b>TEMPERATURE RANGE</b>		-40 °C up to 125 °C	
<b>PROTECTION CLASS</b>	IP68	Waterproof   Encapsulated for protection in harsh environments	
<b>WEIGHT</b>	With batteries (without bolt)	200 g	