

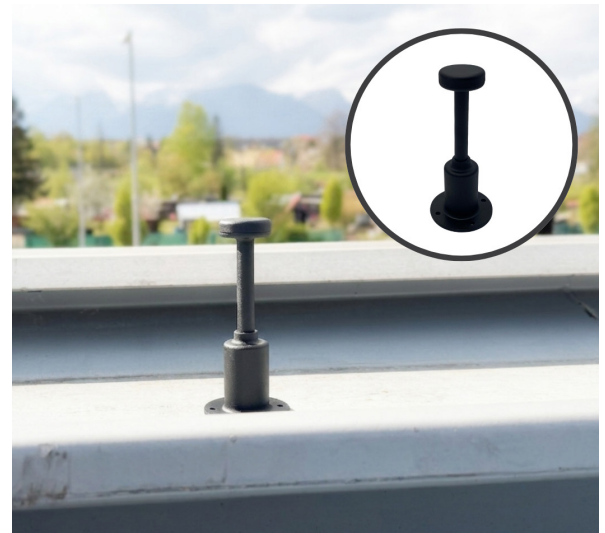
Compass-based Direction Sensor

BS 06 17

THIS WIRELESS SENSOR DETECTS RAIL CAR DIRECTION ON THE TRACK USING INTEGRATED COMPASS TECHNOLOGY AND ENHANCES ORIENTATION MONITORING.

USAGE AND CHARACTERISTICS

- » Wireless sensor with Bluetooth® technology
- » Part of Smart Wagon® Solution
- » Measures azimuth
- » Calibration required during installation
- » Installation on the horizontal surface of the wagon
- » 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

ANTENNA	RF	Internal	
BATTERIES	Type and capacity	Li-SOCl2 - primary	14 Ah
	Battery life	Minimum 10 years non-replaceable	
SENSORS	Temperature sensor	-35 °C up to 85 °C, +/- 0,5 °C	
	Magnetic sensor	5 mT +/- 2%	
RF SENSOR INTERFACE	Frequency	2,4 GHz	
	Type	Bluetooth, BT 5.0	
	Range	Up to 50 m	
	Data sending period - default	2 s	
DIMENSIONS	Plastic box (without metal holder)	Ø 80 mm x 180 mm	
TEMPERATURE RANGE		-35 °C up to 85 °C	
PROTECTION CLASS	IP68	Waterproof Encapsulated for protection in harsh environments	
WEIGHT	With batteries (without metal holder)	250 g	