

This position marker is specially used to determine exact locations of specially equipped Sensor SMART tags.

This position marker is specially used to determine exact locations of specially equipped tags. As the tag passes the induction loop connected to the position marker, identification data from the position marker is downloaded onto the tag. Depending on the type of tag, current as well as previous IDs and the relative time of passage over the loop are either repeatedly broadcast or they can be read from the tag by a reader at a later time and place. It has the ability to control inductive field limits and vehicle lane discrimination and direction recognition can be realized. The position marker is typically mounted near the induction loop and remains maintenance-free after setting the original parameters.



Technical Specifications

Communication Data Inductive Loop

Compatibility ILR® i-Q and i-B Tags with Marker feature

Frequency 125 kHz

Modulation 100% AM

Range (adjustable) up to 3.5 m

Position Data 16 bits (programmable)

Loop Current Max. 6 App

Loop Area Integrated

Pass-over Velocity Max. 100 km/h

Number of Loops 1 (internal)

User Interface

Bus i-BUS (RS422)

Manual Bluetooth, Class 2, SPP Profile

Indicators 4 LEDs, bicolor (Run, Loop, Bus, Error)

Features Programmable Loop ID, adjustable Loop current (range), Loop diagnosis

Electrical

Supply Voltage 10 – 30 VDC / 85 – 265 VAC*

Power Consumption Max. 20 W

* AC supply available in Europe only

Environmental

Operating temperature -30 °C to +55 °C / -22 °F to +131 °F

Storage temperature -40 °C to +80 °C / -40 °F to +176 °F

Certification/EMC EN 300 220 (EC); FCC Part 15 (US)

Physical

Dimensions	Unbalance L9, impedance 75Ω / High impedance >2KΩ Balance RJ48, impedance 75Ω / High impedance >2KΩ
Enclosure	Plastic / Aluminium
Weight	800 g
Enclosure Rating	IP 54
Cable feed	1 x M16 feed through, 2 x cable spouts (i-BUS, opt.)

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