

This adjustable position marker has the ability to control inductive field limits, and vehicle lane discrimination and direction recognition can be realized.

This adjustable position marker is used to determine exact locations of specially equipped tags. It offers a long read range of 5 meters and can be adjusted depending on loop configurations. When 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. Protected by its IP66 enclosure, it works well even in difficult environments.



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 5 m (depending on Loop)

Position Data 16 bits (programmable)

Loop Current Max. 6 App

Loop Area Max. 100 m²

Loop Width Min. 1 m

Pass-over Velocity Max. 100 km/h (@ 1 m loop width)

Number of Loops 1 (external)

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 Loopcurrent (range), Loop diagnosis

Electrical

Supply Voltage 10 – 30 VDC

Power Consumption Max. 20 W

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 | 94 x 170 x 86 mm |
| Enclosure | Plastic / Aluminium |
| Weight | 650 g |
| Enclosure Rating | IP 66 |
| Cable feed | 2 x M16 feed through |

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