Radar AIC
Automatic Inclination Calibration

Perfect for ETCS & CBTC speed measurement

Quick and simple to install – no need for delicate adjustments or costly running trials.

Unrivalled experience worldwide
- 20 years experience in Doppler
- 5th generation radar

Highest accuracy & availability for all trains and all track beds
- Ruggedised radome
- EN50129, EN50128 assessment

CUSTOMER BENEFITS:

- Unique Automatic Inclination Calibration greatly reduces installation time and costs
- Easy maintenance
- Precision
Radar AIC includes
The unique automatic calibration system

No need
• for precise adjustments of the radar mounting
• for angle measurements
• for running trials to verify angle
A simple calibration request and Radar AIC automatically calculates the exact angle ensuring accurate readings.

Specifications

<table>
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<th><strong>Doppler measurement</strong></th>
<th><strong>Distance</strong></th>
<th><strong>Direction of travel</strong></th>
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| Speed                   | • Range 0.5-500 km/h  
• Doppler measurement Error 1%  
• Auto-calibration AIC |

**Antenna**
24.150 – 24.250 GHz band  
20 mW E.I.R.P. max

**Outputs**
Isolated RS485  
Configurable Speed Pulse  
RS232 (maintenance)

**Power supply**
24V-110V, 20W max  
EN50155 class S2  
Inverse polarity protection

**Housing**
7 kg  
IP 65  
M8 fixing screws  
Bayonet circular connector

**Radome**
Impact resistance NFF07-101 class K9  
External radome mounting, simplified maintenance

**Environment**
EN50155 class TX+ [-40°C, +70°C]  
EN50121-3-2  
NFF16102 Category A1

**Safety assessment**
50128:2011 SSIL0  
Designed for SIL2 assessment

To discover everything Radar AIC can do, contact:

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