



Speed Wedge MKII

Radar Sensor for true ground speed measurement



Speed Wedge MKII is a Doppler Radar Sensor for precise non-contact measurement of true ground speed regardless of wheel / drive slip.

Applications e.g.:

- in-door vehicles
- mobile machines
- conveyor belts
- material flow

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Speed Wedge MKII is a Doppler Radar Sensor for measurement of true ground speed of vehicles, machines or objects moving relative to the Sensor.

For demanding environments the sensor is built in a small, rugged completely sealed casing.

Benefits

- Precise measurement of the true ground speed independent on wheel slip, effective tyre circumference and sinking in of the wheel
- High dynamics for monitoring, control and closed-loop control
- Unsusceptible to varying properties of the surface being measured
- Pulse Output according to industry standard DIN 9684 / ISO 11786

Technical data:

Power supply:	9 to 28 V DC
Current consumption:	< 200 mA
Temperature range:	Storage: -40 °C to +85 °C Operation: -20 °C to +55 °C
Frequency & Power:	24.15 GHz to 24.25 GHz at 12.7 dBm EIRP
Output signal:	130 Pulses / m (36.1 Hz km ⁻¹ h ⁻¹) according to DIN 9684 / ISO 11786 and RS232
Dynamics:	20 Hz Update Rate
Speed range:	0.8 km/h up to 90 km/h
Sensor configuration:	One Radar Frontend
Dimensions:	110 mm x 55 mm x 45 mm (LxWxH, less cable)
Connector:	DIN M12 male plug
Mounting:	Base plate parallel to measurement object, Distance 100 to 700 mm
Warranty:	2 Years
Environmental protection:	IP6KX, IPX7, IPX9K acc. to ISO 20653

Available from:



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