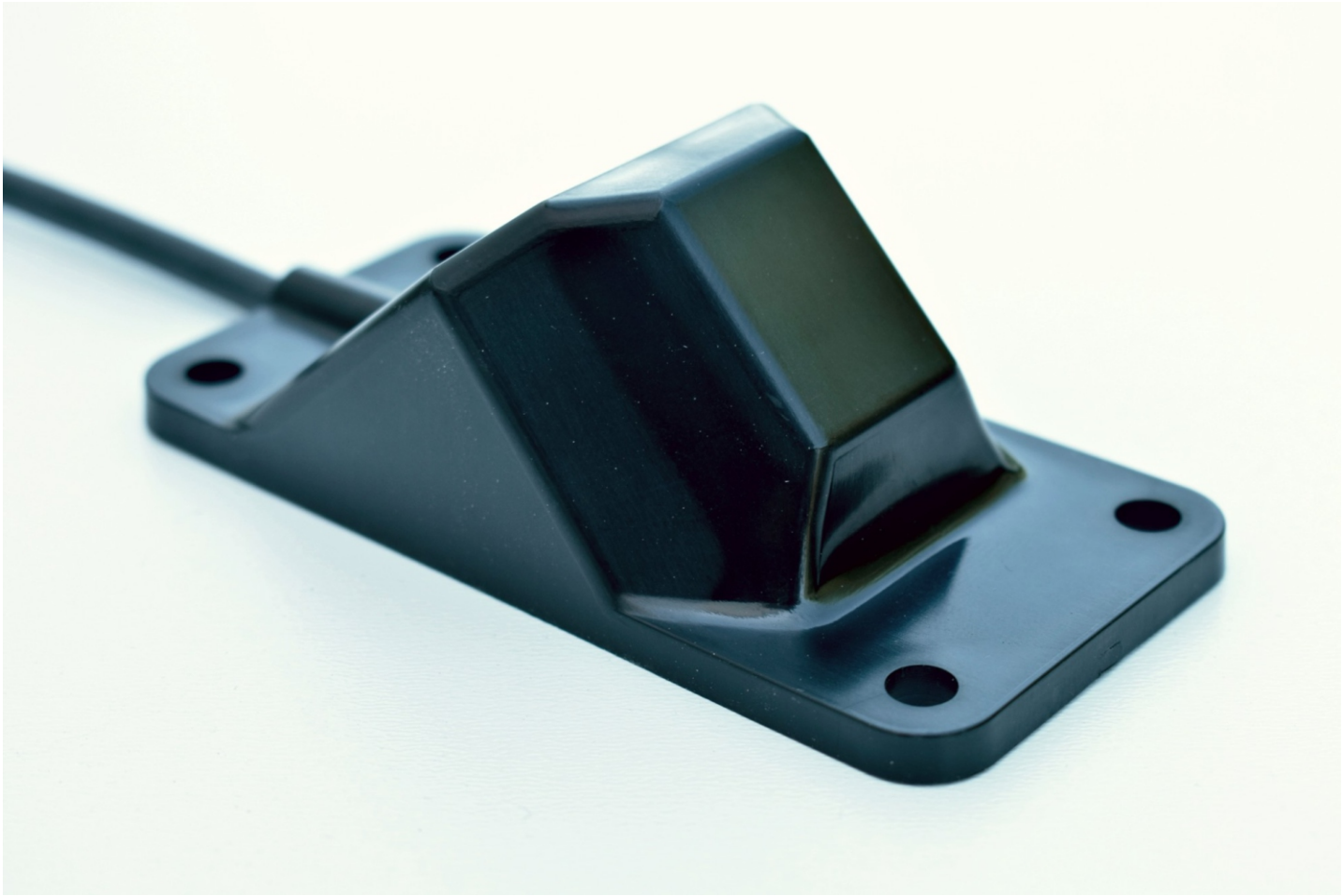
Speed Wedge MKII

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. Unsusceptible against varying properties of the ground surface.

Applications e.g.:

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

Item No. 90.1000

Speed Wedge MKII

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

The forward speed of e.g. an indoor transportation vehicle, fork lift, conveyor belt, off-highway vehicle and rail applications is measured contactless thus unsusceptible to wheel / drive slip, effective tyre circumference and sinking in of the tyre.
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: -40 °C to +70 °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 RS-232
Dynamics:	20 Hz Update Rate
Speed range:	0.8 km/h up to 200 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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