

TYP-GS Radar Doppler Sensor

The radar Doppler sensor TYP-GS enables non-contact measurement of speed, traveled distance, direction of travel and acceleration of vehicles under most difficult environmental conditions.

- For roads, rails and unpaved terrain
- Resistant to temperature influences, chipping and wear
- Integrated digital signal processor
- Works without calibration procedure
- Simple and short setup-time on all vehicles



Description

The TYP-GS with integrated digital signal processor uses the microwave Doppler effect to calculate the measured value. An applied algorithm for estimating the torque speed has been optimized for applications such as traction control and measurement at high accelerations.

Application

For non-contact measurement of path and longitudinal speed, e.g. braking distance measurements. Due to its robust construction, the TYP-GS is not only suitable for the road, but also best suited for use on rails and unpaved terrain. The TYP-GS can be connected to all Peiseler systems.

Technical data

Measuring range:	0.2 - 400 kph
Measuring distance:	200 - 800 mm
Measuring inaccuracy:	< 1%
Position resolution:	10 mm
Distance accuracy:	Better 0.2 %
Direction detection:	Yes, 90° phase displacement
Signal output:	TTL
Transmit frequency:	24.125 GHz
Protection class:	IP67
Protection:	Inverse polarity, short circuit
Temperature range:	-30 - +70 °C
Power supply:	8 - 32 VDC
Dimensions (LxWxH):	140 x 72 x 70 mm
Weight:	375 g

Delivery scope

• TYP-GS sensor	Art.No. 1650
• Sensor cable, 10 m	included
• Calibration certificate	included

Accessories

• 3-point suction holder	Art.No. 1660
• 3-point magnetic holder	Art.No. 1661
• Sensor cable, 10 m (other cable lengths on request)	Art.No. 1638