

TYP-GS Speed Sensor

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

The integrated digital signal processor uses the microwave Doppler effect to calculate the measured value.

The algorithm used for estimating the speed has been optimised for applications such as traction control and measurement of high accelerations.



Features

- suitable for roads, rails and unpaved terrain
- weatherproof and resistant to temperature influences, chipping and wear
- integrated digital signal processor
- no calibration procedure needed
- quick and easy installation on all vehicles

Application

The TYP-GS is suited for precise non-contact measurements of acceleration, braking distance, speed and travelled distance.

Due to its robust construction, the sensor is not only suitable for the road in any weather, but also for use on rails and unpaved terrain.

The TYP-GS can be combined with all Peiseler systems and used for BOStrab.

Technical data

Measuring range:	0.2 - 400 km/h
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

Scope of delivery

• TYP-GS sensor	Art.No. 1650
• Sensor cable, 10 m	included
• Certificate of calibration	included

Optional accessories

• 2-point suction holder	Art.No. 1651
• 2-point magnetic holder	Art.No. 1652
• Sensor cable, 10 m	Art.No. 1638

(other cable lengths on request)