

## DRS-4 Radar Doppler Sensor

The radar Doppler sensor DRS-4 measures the speed and the travelled distance of vehicles. The measurement is done contactless over ground on roads, rails and off road.

- Resistant to climatic conditions
- Integrated digital signal processor
- Easy setup and quick set-up time



DRS4 with suction holder

### Description

The DRS-4 with integrated, digital signal processor uses the microwave Doppler effect to calculate the measured value. The algorithm for estimating the speed has been optimized for applications such as: traction control and measurement at high accelerations.

### Application

The sensor is easy to install and can be used for acceleration, braking distance and consumption measurements as well as BOStrab. The DRS-4 can be connected to all Peiseler systems.

### Technical data

Measuring range:	0.8 - 250 km/h
Measuring distance:	300 - 500 mm
Measuring inaccuracy:	0,5 % f.s.
Position resolution:	4 mm
Distance accuracy:	better than 0.2 %
Direction detection:	Yes, 90° phase displacement
Output voltage:	10 V
Transmit frequency:	24.125 GHz
Transmission power:	5 mW
Protection class:	IP67
Temperature range:	-40 - +70 °C
Power supply:	10 - 35 VDC
Protection:	Inverse polarity, short circuit
Dimensions (LxWxH):	214 x 134 x 90 mm
Weight:	1800 g

### Delivery scope

- DRS-4 sensor Art.No. **1634**
- Sensor cable, 10 m included
- Calibration certificate included

### Accessories

- 3-point suction holder Art.No. **1636**
- 3-point magnetic holder Art.No. **1637**
- Connection cable Art.No. **1638**



Magnetic holder



Sensor cable