

MT Pulse Transducer

The MT pulse transducer was specifically developed for measurement of the wheel speed of vehicles. It allows the calculation of wheel speed, travelled distance and vehicle speed.

The transducer is easily mounted directly on the rim of the wheel using chucks and the specially developed Peiseler plate in combination with a flexible mounting system.

The MT is available in versions with 25 - 5000 pulses per revolution with others available on request.



Features

- protection class IP67
- sturdy and weather-resistant
- direction recognition
- easy and quick installation
- fast exchange of different pulse transducers

Application

The MT is ideally suited for tests of slip, acceleration, ABS and consumption. It also provides support for IMU and various other measurement tasks.

Technical data

Maximum speed:	300 km/h
Pulses:	25 - 5000 pulses/rev
Pulse output:	2 channels n-pulses/rev, 90° shifted
Direction signal:	Square wave signal, 100 Ω protective resistor
Output voltage:	5 V
Connection:	5 pin Binder
Power supply:	5 - 26 VDC
Power consumption:	max. 60 mA
Protection class:	IP67
Temperature range:	-40 °C - +80°C
Cable length:	5 m
Dimensions:	Ø 69 mm x 62 mm
Signal output (<i>optional</i>):	RS-422



Scope of delivery

- Pulse transducer (Art.-No. on page 2, incl.)
- Signal cable 5 m
- Mounting rod 600 mm
- Suction- / magnetic mounting (RS or RM)
 - RS = suction mount
 - RM = magnetic mount
- Certificate of calibration

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Pulse transducer

Model	Pulses/rev	Mounting	Art.-No.
MT 100/e	100	RS	1281 RS
		RM	1281 RM
MT 360/e	360	RS	1291 RS
		RM	1291 RM
MT 500/e	500	RS	1283 RS
		RM	1283 RM
MT 1000/e	1000	RS	1285 RS
		RM	1285 RM
MT 2000/e	2000	RS	1289 RS
		RM	1289 RM
MT 4000/e	4000	RS	1290 RS
		RM	1290 RM
MT 5000/e	5000	RS	1293 RS
		RM	1293 RM

Mountings

The pulse transducer is fixed with the Peiseler plate and the appropriate chucks on the wheel bolts or wheel nuts.

It is attached to the wing via mountings either with suction cups or magnets.



RS rod guide with 3 suction cups
RM rod guide with one, resp. 2 magnets

Accessories

Product	Art.-No.
Peiseler plate 3-, 4-, 5-hole rim	1420
3-hole centering star	1425
4-hole centering star	1426
5-hole centering star	1427
Chuck SW 17	1430
Chuck SW 19	1431
Chuck SW 21	1432
Carrying case 850 x 310 x 150 mm	1299



Centering star with 3, 4 or 5 holes for centering



Peiseler plate with 5-hole centering

Individual versions of pulse transducers, chucks, connections and mountings on request.