

MINIPROF WHEEL

DESCRIPTION

The Miniprof wheel is a measurement device by contact. It is precise, reliable and everybody can use it. It calculates the gradient (qR), the height (Sh) and the width (Sd) of the wheel flange instantly and it can also measure the wheel diameter.

OPERATION

- ▶ Connection by Bluetooth.
- ▶ Measures the wheel profile in the whole section.
- ▶ Magnetic fixation on the backside of the flange.
- ▶ Adjustable to numerous types of wheels (from tramway wheels to locomotive wheels).
- ▶ Can be adapted to profiles and dimensions of specific wheels.
- ▶ Can be used with a laptop or a PDA to store and analyze the measured data.
- ▶ It also exists in the following versions:
 - ▶ Lightrail: more compact device for the use on tramway.
 - ▶ Twinhead: device supplied with a calibrated telescopic rod and a second head of measurement to be fixed and magnetized on every axle wheels. Ideal for the study of the wheel/rail interaction.

FEATURES

Accuracy	Better than	+/-9 μm
	Repeatability	+/-2,5 μm
Weight		0.9 kg
Speed	Measuring rate	10000 points/sec
	Profile scanning	<5 sec
	Processing	<1 sec
Profile file size		20-30 kb/profil
Power consumption	Standby	0.5 mA
	In use	110 mA

ADVANTAGES

- ▶ Measure of profile and diameter by contact, in one pass.
- ▶ Calculation of wear parameters comparing to one or several reference profiles.
- ▶ Recordable file under Microsoft Excel with 500 to 800 points by profiles.
- ▶ Conception in titanium high precision.
- ▶ Free update.
- ▶ Light, resistant to shocks and waterproof suitcase for the transport.

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