

MINIPROF RAIL

DESCRIPTION

The Miniprof Rail measures, by contact and in one pass, the complete rail profile as well as the track gauge. It is a support for the rail grinding campaigns and provides instantly the rate of material removed. The Miniprof Rail is also useful for the quality control at the reception of new rails.

OPERATION

- ▶ Connection by Bluetooth.
- ▶ Magnetic fixation to the railhead, using the opposite rail as a reference thanks to the telescopic rod.
- ▶ Measure the gauge and the cant.
- ▶ Can be used on numerous types of rails, including grooved rails.
- ▶ Can be supplied with a perpendicular device to insure a correct alignment with the opposite rail.
- ▶ It also exists in the following versions:
 - ▶ Switch: permits to measure switch or crossing profiles thanks to a Miniprof Classic and an add-on.
 - ▶ Twinhead rail: device supplied with a calibrated telescopic rod and a second head of measurement to be placed on the top of the two rail lanes. Ideal for the study of the wheel/rail interaction.

FEATURES

Accuracy	Better than	+/-11 µm
Weight	Repeatability	+/-2,5 µm
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.



YOUR DIPOSTEL CONTACT

+33(0)4 67 720 222
info@dipostel.com