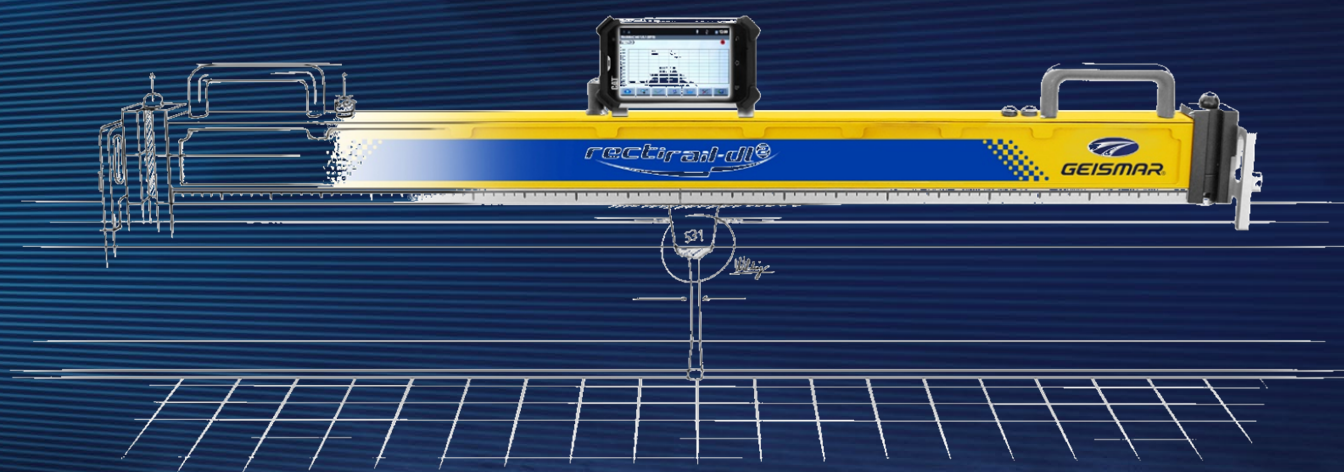


PORTABLE ELECTRONIC STRAIGHTNESS MEASURER

RECTIRAIL DL2

*The best in portable and electronic
measurement technology*



Robust for intensive use

Lightweight and easy to use

Accuracy and repeatability of measurements

GEMS
GEISMAR ELECTRONIC MEASURING SYSTEMS

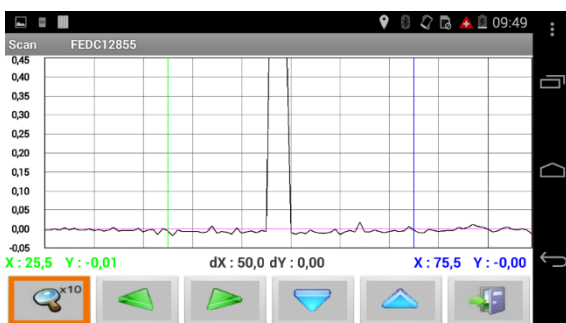
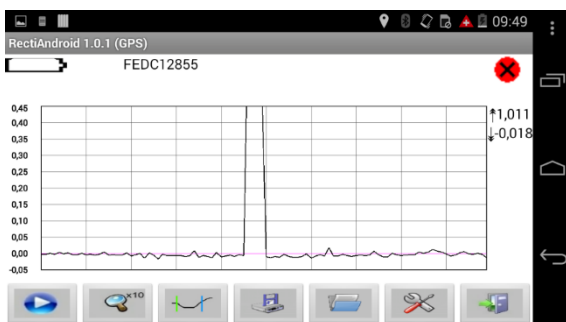
 **GEISMAR**[®]

PORTABLE ELECTRONIC STRAIGHTNESS MEASURER

RECTIRAIL DL2

Your benefits

- Rail head straightness control on running surface, sides and corners: parallelism and perpendicularity of welds, corrugation, rail end sections
- Ergonomic use thanks to joystick and two control buttons on its frame, even with gloves
- Connection by Bluetooth technology to an Android GPS enabled rugged smartphone, while the data displayed and stored on the device can be easily transferred to a PC for later analysis
- Two magnetic pins allow you to perfectly position the unit on the rail allowing the 100 sensors (over a 1 meter base) to provide accurate measurements at the push of a button
- Well protected from electromagnetic perturbations (EN50121/4 standard) and robust structure



Technological benefits

- Analysis of readings on Smartphone or PC (RectiPC software)
- Correlation between several straightness readings to extract measurements from 1.5 m to 14 m in length
- Correction of the obtained layouts according to the curvature radius of the track
- Non-contact capacitive measuring process guaranteeing measurement accuracy
- Straightness measurement on the running surface (profile) or sides (trace) or corners (at 45°)

Specifications

Measuring length	1,000 mm (39.3 in.)
Smartphone operating system	Android (4.4) KitKat
Number of transducers	100
Measuring range	5 mm (± 2.5 mm)
Resolution	$\pm 12.5 \mu\text{m}$
Measured target area	12 mm diameter
Measuring time	~ 4 seconds
Memory capacity	$> 25,000$ measurements
Measuring points	Running surface, sides 14 mm below running surface and corners
Autonomy	> 650 measurements
Dimensions (L x W x H)	$\sim 1,160 \times 95 \times 160$ mm (46 x 3.7 x 6.3 in.)
Mass	< 5 kg (11 lbs)

Accessories and options

- Calibration set (1 calibration rail (accuracy $10 \mu\text{m}$), 2 calibration wedges (2 mm) with the manufacturer's calibration certificate)