

Technical data

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|-------------------|---|
| Laser | Measuring range: z-axis 60..120 mm, y-axis 150 mm / laser class: 3R. Measurement resolution 0.02 mm, measuring accuracy +/- 0.05 mm, relative to measuring standard. |
| Measuring cycle | 9s (seconds), fully automated procedure. |
| Battery pack | Li-ion battery for 4h mobility, including quick charger. |
| Profile memory | Internal profile memory for 50 measurements, each with preliminary and subsequent measurement. |
| Monitor | Rich-colour, 10.4" TFT monitor with automatic brightness control (resolution: 640 x 480). |
| Keyboard | Mode selection, navigation and zoom joystick, main menu, cursor on/off, yes/no selection, measuring cursor, 3 softkeys. |
| Digital templates | <ul style="list-style-type: none"> Grooved rails: Ri59, Ri60, Ri60N, SEI35G, SEI35GP, SEI41GP, NP4, NP4a Vignoles rails: S41, S49, S54, UIC60, SBB1 (these 5 also rotated 1:40), VST36, SBBIV and track correction profile. Other templates can be loaded later via a Compact Flash card. |
| Extension arm | Lightweight construction with single-handed operation of folding mechanism. Available in the gauges 1000/1100/1435 and 1458 mm. Special constructions on request. |
| RailJob software | The check points can be specified on a PC and loaded to the Railmonitor as a measuring program. |
| RailCAD software | Measurement evaluation on a PC, drafting of PDF reports, measurement archiving. |
| RailView software | Quick view and report generation of the profile data on a PC. |
| Transport | Transport in aluminium case, protective covering for outdoors, shoulder strap for weight relief. |
| Housing | Splash-proof housing, 7.6 kg, overall size 480x200x100mm without folding arm and centring support. |
| Options | *Gauge measurement, *banking, *grinding depth, *GPS, *rail corrugation module, export formats *DXF, *PDF, *HTML, *software updates on CF card. |
| | |
| | |

*not yet available

Contact

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Selling:



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Railmonitor - LITE

... a High  LITE in rail analysis




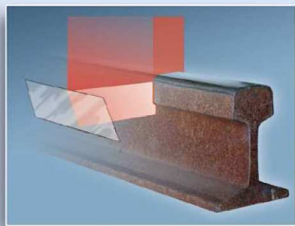
**Rail measurements
made quick and easy**

 **New and unique non-contact
laser technology**

 **Keeps you in control of process and quality
(digital templates, error beam)**

 **Vignoles rails, grooved rails, switches,
*gauge, *banking, *grinding depth**

 **Complete with zoom and measurement functions
(e.g. determine edge steepness, measure chamfer length)**



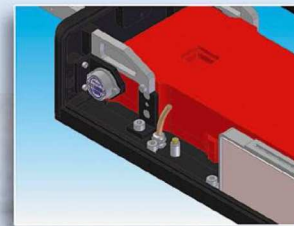
Head height and grinding depth



None contact gauge measurement



None contact web/base of the rail measurement



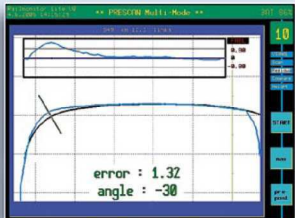
Electronic cant measurement



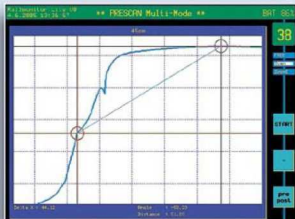
Measurement report, reloading of additional rail references and software updates via removable media (CF-Card)



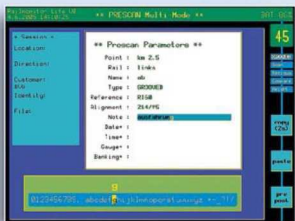
Extension connector for future options



Variance comparison with digital rail references and interactive error beam



Comfortable measurement of individual rail parameters

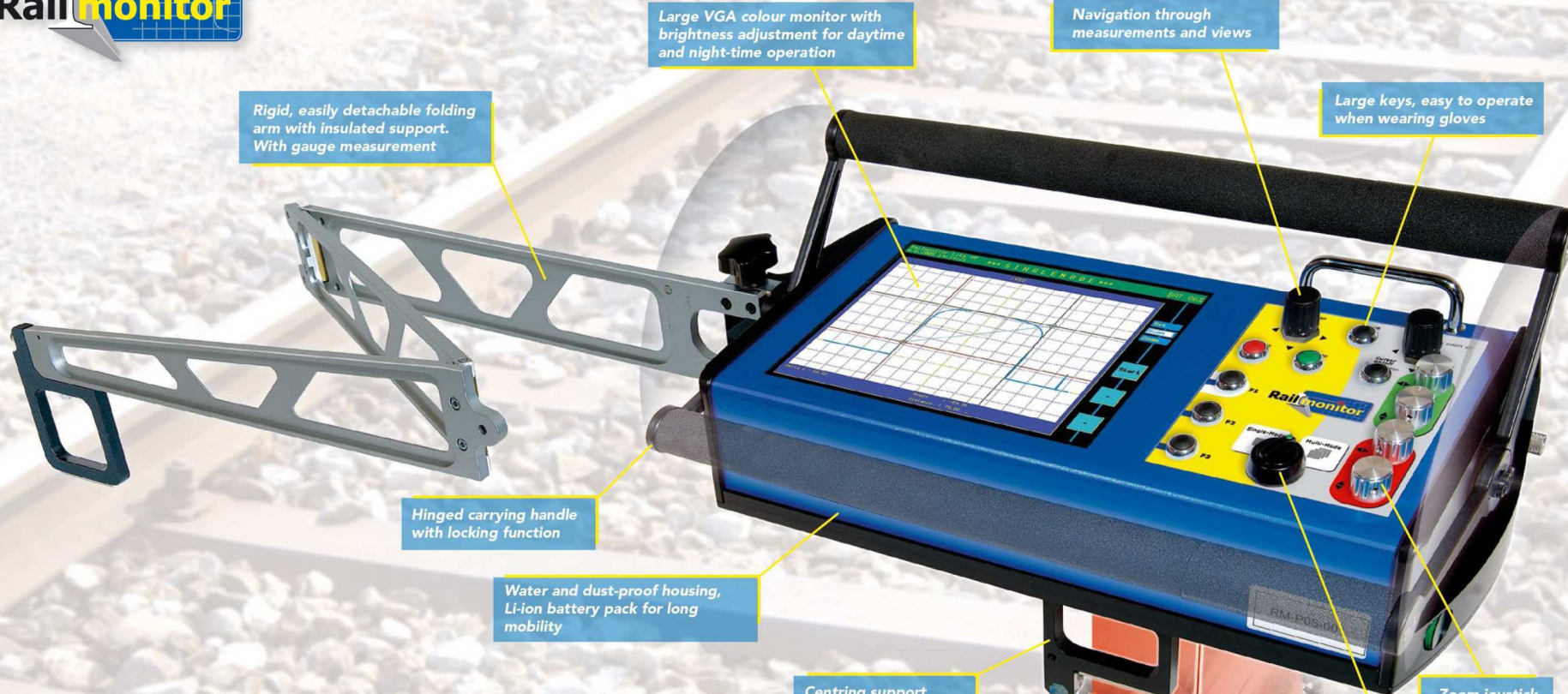


On site measurement specification



Job scheduling and quality verification on an office PC

Railmonitor



Rigid, easily detachable folding arm with insulated support. With gauge measurement

Large VGA colour monitor with brightness adjustment for daytime and night-time operation

Navigation through measurements and views

Large keys, easy to operate when wearing gloves

Hinged carrying handle with locking function

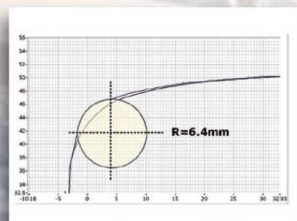
Water and dust-proof housing, Li-ion battery pack for long mobility

Centring support (e.g. Z14) with 50 mm ground clearance

Zoom joystick and cursor

Reproducible laser measurement

Mode selection
• Single mode : single measurements (process control)
• Multi-mode : several preliminary and subsequent measurements (Q-verification) with text report



Determination of the minimal radius on the rail



Switch measurement and analysis