

MarSurf



Perthometer M1 / M2 You are Looking for a Simple and Powerful Roughness Measuring Instrument?

► | Two Perthometers of the M-Type offer mobility and flexibility in application!

Even more comfort and performance at a good price. An Investment that pays!

- Automatic profile recognition and adjustment of filter and tracing length up to the selected standard
- Dynamic calibration function
- Measuring force of approx. 0.7 mN, according to DIN EN ISO
- Tolerance Monitoring (M2)
- Integrated result memory (M2)
- 14 languages, measuring units (mm/inch) and standards (ISO/JIS) selectable
- Individual sampling lengths and short cutoffs selectable
- Blocking of instrument settings
- Password protected instrument settings (M2)
- RS 232 serial interface for remote control
- Integrated battery with power management
- Power pack with exchangeable adapters for worldwide application
- Easy handling through operator prompting and purposefully designed symbol area and text field
- Clear operator messages
- Integrated thermal graphics printer of high print quality
- Available in a handy set including an NHT pick-up, (with 100 μm measuring range) a PFM drive unit (for tracing lengths of up to 175 mm) and further useful accessories

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EXACTLY



Perthometer M1



For Getting Started

- R_a , R_z , R_{max} and RP_c as per ISO or JIS directly accessible via push buttons
- Automatic selection of filter and tracing length conforming to standards
- Output of R-profile on integrated thermal printer
- Record print automatically or by the push of a button
- Remote control via RS 232 interface or connection to MarSurf XR 20* for more profound evaluation and filing of the results in Windows applications

Perthometer M1 Set: Order No. 6910134

*Not included in the scope of delivery

Perthometer M2



The Universal Standard

- All features of the M1 and the following:
- Evaluation of the most common parameters stipulated by ISO (including CNOMO) and JIS as well as characteristic curves and parameter lists (material ratio for instance)
- Integrated memory for storing results of measurement series
- Tolerance monitoring
- Vertical scale of the R-profile either preset or automatically adjustable
- Asymmetrical adjustment of intersection lines for peak count
- Date and time of measurement recorded for printout
- Windows application "MTRANS" for transmitting data from the M2 memory to PC

In the scope of delivery are included a (9 pin/9 pin) connecting cable for connection to a PC and a floppy disc with the "MTRANS" program. The "MTRANS" program enables the measuring results saved in the Perthometer M2 memory (in ASCII format) to be transferred to a PC in a result file (text file). This result file can be displayed with an editor or opened and processed e.g. with Microsoft Excel.

Perthometer M2 Set: Order No. 6910135

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