

 Mahr

Surface roughness measuring instrument, Type: PS10



Order data

Order number	498835 PS10
GTIN	4059192058234
Item class	43C

Description

Version:

Portable roughness measuring instrument for precise roughness measurement and documentation conforming to standards, using the stylus tracing method. **With integral (removable) calibration standard.** Large illuminated 4.3 inch TFT touch display. Display can be rotated. Feed unit can be operated as part of the main unit and separately. Mounting for height adjustment for measurements on cones etc., data saved as TXT, X3P, CSV and PDF files. Gauss filter to ISO 16610 – 21 (supersedes DIN EN ISO 11562), special filter to DIN EN ISO 13565 – 1, IS filter to DIN EN ISO 3274 (can be switched off).

Advantage:

- **Switch on and start measurement right away – intuitive, no training.**
- **Saving measurement programs.**
- **Automatic cut-off selection.**
- **For direct access to the start view press the start button at the same time as the home button.**
- **Quick access to your desired functions, using the favourites list in the display.**

Supplied with:

Supplied with feed unit, standard probe No. 499004 size 6 – 350, roughness standard, including works calibration certificate, integral height adjustment, probe guard, charger / mains adapter, instruction manual, carrying case with shoulder strap, extension cable for the feed unit.

Optional extras:

Spare and special probe No. 499004, probe extension No. 499008, probe guard No. 499038, stand No. 499011; 498857.

Spare part:

Battery No. 499548.

Note:

Set for transverse sensing available on request.

Calibration: Q2

maximum measuring range: 350 μm

maximum measuring range: 0.014 inch

Measurement travel for longitudinal sensing: 1.25 / 4.0 / 12.5 mm

Measurement travels to standard: 1.5 mm / 4.8 mm / 15.0 mm / automatic / N \times Lc freely selectable

Cut-off (λ_c): 0.25 / 0.8 / 2.5 mm

Scanning speed: 0.5 / 1.0 mm/s

Technical description

maximum measuring range	0.014 inch
Evaluation unit height	77 mm
Weight of the evaluation unit	0.5 kg
Scanning speed	0.5 / 1.0 mm/s
Evaluation unit width	50 mm
maximum measuring range	350 μm
Measurement travel for longitudinal sensing	1.25 / 4.0 / 12.5 mm
Evaluation unit length	160 mm
Cut-off (λ_c)	0.25 / 0.8 / 2.5 mm
Measurement travels to standard	1.5 mm / 4.8 mm / 15.0 mm / automatic / N \times Lc freely selectable
Power supply	Rechargeable battery-powered
Reversible reading	mm / Inch
Manufacturer's designation	PS10
Interface	USB interface
Interface	RS232 interface
Calibration	Q1
Calibration	Q2
Type of product	Surface roughness measuring device

Services

Calibration Roughness standard	018800
Calibration Surface roughness measuring tool	011460
Calibration Surface roughness measuring tool Type R	029200 R
Calibration Roughness standard Type R	029220 R

Accessories

Probe for ST1 / PS1 / PS10 / M300 Type 6-350	499004 6-350
Stand ST-D Type	499011
Probe for ST1 / PS1 / PS10 / M300 Type 3-350	499004 3-350
Probe extension Length 80 mm	499008 80
PS10 extension cable Type 7053553	499037 7053553
Spare battery PS10, M310	499548