MarSurf

MarSurf M 400 C

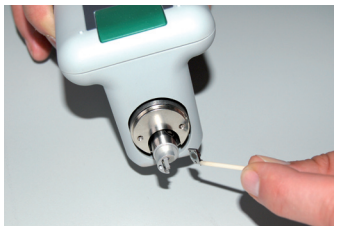
Skidless tracing system with cable connection
and automatic zeroing
The best of the "mobiles"!
Easy. Fast. Innovative.

- 0 +

Mahr

EXACTLY

MarSurf M 400 C. Features



- **Cable connection** between evaluation unit and drive unit
- **Skidless tracing** with high precision probe system
- **Fast probe arm change** due to magnetic probe arm holder
- **Protection from damage**
- **Only a few seconds of setting time required** due to motorized height adjustment of the drive unit with automatic zero setting
- **Flexible handling** with cable-free *Bluetooth* connection
- **Concise, clear and easy** due to brilliant color display for the depiction of results and operator guidance
- **Mobile use** due to operation with AC adapter or built-in battery
- **Internationally up to date** with all common parameters as per ISO, JIS, ASME, many integrated languages
- **Documentation with quality** with integrated thermal printer for printout of profile and results
- **Standardized measuring point** density despite increased measuring speed

(See also brochure MarSurf M 400)

Technical Data

MarSurf M 400 C Set

Profile determination	Primary, waviness and roughness profile
Probe	Inductive skidless probe system with exchangeable probe inserts, 2 µm probe arm, measuring force approx. 0.7 mN (standard)
Filters (as per DIN/JIS)	Gaussian filter, Ls filter
Standards	DIN/ISO/JIS/ASME/MOTIF
Parameters	DIN/ISO: Ra, Rq, Rz, Rmax, Rp, Rv, Rpk, Rk, Rvk, Mr1, Mr2, A1, A2, Vo, Rt, R3z, RPc, Rmr (3x), HSC, RSm, Rsk, Rdc, Rdq, Rkn, Pa, Pt, Pmr (3x), Pdc, Wa, Wq, Wt, WSm, Wsk, JIS: Ra, Rz, RzJIS94, Sm, S, ASME: RpA, Rpm MOTIF: R, AR, Rx, W, AW, Wx, Wte, CR, CF, CL, NR, NCRX, NW, CPM
Cutoff *lc* (as per ISO/JIS):	0.25 mm, 0.8 mm, 2.5 mm, automatic,
Traversing lengths *Lt*	1.75 mm, 5.6 mm, 17.5 mm,
(as per ISO/JIS)	automatic, free entry
Traversing lengths	
(as per MOTIF)	1 mm, 2 mm, 4 mm, 8 mm, 12 mm, 16 mm
Evaluation lengths *lm*	
(as per ISO/JIS)	1.25 mm, 4.0 mm, 12.5 mm
Number *n* of sampling lengths	
(as per ISO/JIS):	selectable: 1 to 5
Short cutoff (as per ISO/JIS)	selectable
Measuring speed	0.2 mm/s; 1 mm/s
Profile resolution	
Measuring range	standard probe arm length ±250 µm = 8 nm, ±25 µm = 0.8 nm double probe arm length: ±500 µm = 16 nm
Languages	15, 3 of them Asian
Memory	Max. 30 profiles, max. 40,000 results
Other	lock/code number protection, date/time, integrated printer, dynamic calibration function

Drive Unit SD 26 C

Traversing length	26 mm
Measuring speed	0.2 mm/s; 1 mm/s
Positioning speed in X	5 mm/s
Height adjustment in Z	7.5 mm, motorized
Positioning speed in Z	2 mm/s
Zero setting of probe system	Automatically to zero value or to specified value in the probe measuring range
Inclination adjustment	±1.5° (alignment function with user guidance in the evaluation unit)
Temperature (storage)	-15° C to +55° C
Temperature (operation)	+5° C to +40° C
Rel. humidity	30% to 85%, non-condensing
Weight	M 400 C: approx. 1.0 kg SD 26 C: approx. 0.9 kg
Interfaces	USB Slave, MarConnect (RS232)
Wide-range AC adapter	90 V to 264 V

Scope of delivery

- Evaluation unit MarSurf M 400 C
- Drive unit MarSurf SD 26 C incl. probe system BFW 250
- Standard probe arm (6852403)
- 1 thermo paper roll
- Wide-range AC adapter mit 3 adapters
- 2 x USB cables (to connect to PC and for use with cable)
- Operating instructions

All items are delivered in a practical carrying case.

MarSurf M 400 C set: **Order no. 6910412**

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