



## Surface roughness measuring instrument, without printer, Type: M410



### Order data

Order number	499042 M410
GTIN	4059192073473
Item class	43C

### Description

#### Version:

**Surface roughness measuring tool with free probe travel and automatic zeroing** for precise roughness and wave measurement in accordance with relevant standards. The MarSurf M 410 has a practical touch display, evaluation device can be removed from the feed unit, an integrated PDF memory and wireless data transmission is possible.

- **Free probe travel with high-precision probe system.**
- **Quick-change probe arm without tools and with additional protection.**
- **PDF protocol creation directly in the device without additional software.**
- **Only a few seconds of set-up time using motorised height adjustment of the feed unit with automatic zeroing.**
- **Unique probe arm management for creating, changing and deleting over 50 probe arms. The calibration data of a calibrated probe arm is retained.**
- **Probe travel in accordance with DIN EN ISO 4288 / ASME B46.**
- **Automatic selection of filters and probe travels to the standard.**
- **Measurement travel for longitudinal sensing 0.1 to 26 mm.**
- **Phase correction Gauss filter to DIN EN ISO 16610-21 (supersedes DIN EN ISO 11562), robust Gauss filter according to DIN EN ISO 16610-31 and special filter ISO 13565-1.**
- **Wireless data transmission to a PC, e.g. to Excel or to third-party software.**
- **Assistance-guided tilt adjustment.**
- **Portable use with mains and battery power.**
- **International up to date incorporating all the usual reference values to DIN/ISO, JIS, ASME, MOTIF.**
- **17 languages integrated.**
- **Inclination correction  $\pm 1^\circ$ , manually.**
- **Storage of over 30,000 measurement programs.**
- **Read in information using a scanner by scanning a QR or barcode (scanner not included).**

- **Take measurements according to the standards DIN EN ISO 4287/4288 and DIN EN ISO 21920-2: 2021.**

**Supplied with:**

MarSurf M 410 evaluation device, MarSurf MD 26 feed unit including BFW 250 probe system, standard probe arm, M 410 docking station, wide-range power supply unit with 3 adapters, micro USB cable, MD 26 cover cap, screwdrivers, 3 pcs. assembly key, operating instructions and carrying case.

**Note:**

Other probe arms, e.g. for small bores and slots, available on request.

### Technical description

Cut-off ( $\lambda_c$ )	0.08; 0.25; 0.80; 2.50 mm
Evaluation unit height	35 mm
Feed unit height	72 mm
Measurement travel for longitudinal sensing	26 mm
Evaluation unit width	77 mm
Scanning speed	0.1 – 1.0 mm/s
Cut-off ( $\lambda_c$ )	0.003; 0.010; 0.032; 0.100 in
Evaluation unit length	162 mm
Feed unit width	38 mm
Feed unit length	194 mm
Weight feed unit	1.1 kg
Roughness standards	DIN / ISO / JIS / ASME, MOTIF
Weight of the evaluation unit	0.3 kg
Reversible reading	mm / inch
Interface	USB interface
Calibration	Q1
Type of product	Surface roughness measuring device

### Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/499042-M410>