

# 产品信息

## 便携式表面测量仪 MarSurf M 510 MiniProfiler

### 产品特性

**Small measuring device for a large range of applications**

- # Smallest skidless probe system on the market
- # Available in tracing length 15 mm, 50 mm und 75 mm
- # Vibration resistant -> can be used in the production environment and machining centers
- # Compact design
- # Mobile and convenient testing of P, R and W parameters with just one device
- # Motorized lift-off stylus tip
- # Intuitive control of the free tracing system via PC software
- # Connection via USB interface -> plug in MiniProfiler, start software, and go!
- # Software operable with Windows 10 and 11
- # Save measurement programs
- # Only supplier on the market for Wsa standards with factory or NPL certificate
- # Optional magnetic adhesion to the surface
- # Additional holder for mounting on the measuring stand
- # Currently the only measuring system on the market for the parameter Wsa

物品号: 6910310



### 技术数据

扫描长度末尾 (X 方向)	15.0 mm
扫描长度 (Lt)	till 15 mm
测量原理	Tactile skidless probe system
测量力 (N)	0,00075 N
Probe tip radius	2 #m
滤波器符合 ISO/JIS 标准	EN DIN ISO 4287, EN DIN ISO 13565, Part 1 and 2, DIN EN ISO 21920-2: 2021, EN DIN ISO 16610-21 (Gaussian filter), EN DIN ISO 13565 Part 1 (specific filter), EN DIN ISO 16610-31 (robust Gaussian filter)
截止波长 $L_c$ 符合 ISO/JIS	0,08 mm, 0.25 mm, 0.8 mm, 2.5 mm, 8,0 mm, 可自定义
采样长度数量符合 ISO/JIS	5
测量速度	0.1 mm/s 到 2 mm/s
positioning speed X-axis max.	2 mm/s
定位速度 (mm/s), X 轴	till 2 mm/s
表面参数	Rt, Ra, Rq, Rz, Rp, Rv, Rsk, Rku, Rsm, Rc, Rpc, Rdq, Rmax, Rlq, Rda, Rla, Pt, Rk, Mr1, Mr2, Rpk, Rvk, Rpkx, Rvkx, a1, a2, Wt, Wa, Wca, Wq, Wz, Wp, Wv, Wsk, Wku, Wdq, Wmax, Wlq, Wda, Wla, Rmr30, Rmr60, Rmr90, sSt(g), sSt(f), Wsa(1-5), Wa0.8_O5, Wa0.8_O6, Wa0.8_O7, Wa0.8_O8, Wa0.8_O9, Rpq, Rmq, Rvq, Pmr60
数据接口	USB A, 4x USB 3.1 Gen. 2, 显示端口, HDMI, 外置无线
测头	induktives Freitastsystem
运行温度范围	5 - 35° C
重量 (毛重)	0.2 KG
重量驱动单元	150 g
驱动单元尺寸 (L x W x H), 单位 mm。	52 x 28 x 40
其他	other standards: Daimler MBN 31007, SEP 1941
针尖	2 #m
测量范围 mm	1 mm

### アプリケーション

#### Mechanical engineering

Bearings, shafts, racks, valves, various components from the engineering and precision mechanics industries

#### Automotive

Steering, brake systems, transmissions, crankshafts, camshafts, cylinder heads, cylinder blocks, turbochargers

#### Medical

Roughness measurement on hip and knee endoprotheses

#### Aerospace

Turbine components

#### Optics

Diverse optical components

# 产品信息

便携式表面测量仪 MarSurf M 510 MiniProfiler

## 附件

订单号	标识	产品型号
4416000	带磁性底座的 测量台座	815 MA
6710803	300 mm 测量 支架带铸铁底 座	ST-D
6710806	300 mm 测量 支架带花岗石 底板	ST-F
6710807	300 mm 测量 支架带花岗 板和 T 形槽	ST-G
6710401	V 形块	PP
6710529	XY 工作台	CT 120
6710604	平行虎钳	PPS