



## PROFILER SCD

Digital readout unit for 2D and 3D measurement.

### Specifications

Display	320 x 240 (QVGA)
Measuring channels	3
Position resolution	up to 1 nm (depends on used measuring system)
Interpolation accuracy	0.1 % of signal period (MR/1Vss)
Signal inputs	2 x MR* (analog), 1 x configurable: MR*, TTL/RS-422, 1Vss
Specification of signal inputs	TTL/RS-422: up to 25 MHz 1Vpp, MR*: interpolation up to factor 12,868
Operating devices	touch display, optional: pedal switch
Interfaces	RS-232, USB
Software	GetPos (processing of positioning data on Windows)
Programming	ASCII
Electromagnetic shielding	electromagnetic shielding is connected to the device ex-works, optional: separation of shielding and ground
Operating voltage	24 V
Dimensions	210 x 190 x 65 mm (L x W x H)
Scope of delivery	PROFILER SCD, wide range power supply, MR sensor cable (2 channels), USB cable, RS-232 cable, software CD, documentation

### Order Information

Order No.: 00-76-900-4830

### Product Features

- ▶ precise length measurement in 3 axes
- ▶ large touch display
- ▶ easy and intuitive to use
- ▶ requires no PC for operation
- ▶ position error correction possible
- ▶ reference switch inputs
- ▶ 2 measuring channels for Märzhäuser nanoScale measuring systems
- ▶ 3rd measuring channel for Märzhäuser nanoScale, TTL/RS-422 or 1Vpp measuring system
- ▶ compatible with SCD 5, SCD 6 and SCD<sup>plus</sup>
- ▶ compatible with all Märzhäuser measuring and scanning stages with integrated measuring systems
- ▶ graphic interface can be customized for OEM users

### Accessories

Pedal switch

Order No.: 00-76-900-0862

Customized TTL/RS-422 and 1Vpp sensor cables according to users requirements