

SMT-500C

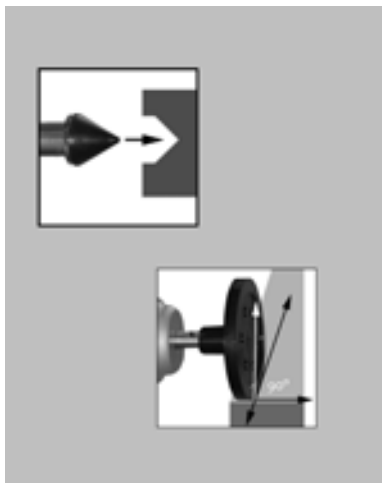
Digital Precision Tachometer

Features

- Accurate measuring with highest resolution
- 16 selectable measuring units for length, rotational- and surface speed measurement
- Rugged aluminium dye cast housing
- Extremely long battery life
- 13 automatically and manually actuated memory storages
- High value instrument for professional use in industrial environments



Details

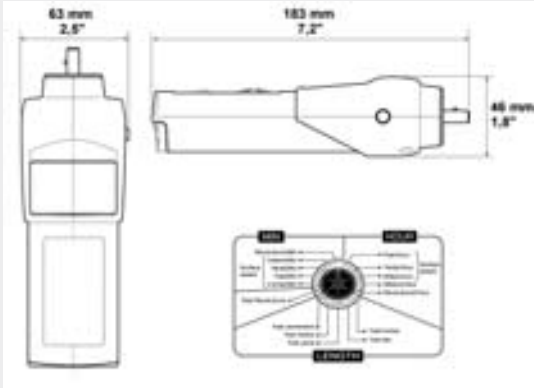


Series SMT-500 tachometers are robust precision instruments designed for frequent use for measuring revolution, surface speed and distance (length). The large LC-Display or the bright red LE-Display allows excellent readability also at places with adverse illumination.

A measuring tip or cone can be attached as well as a measuring wheel to the model SMT-500C or SMT-510C with their incorporated 7mm measuring shaft.

The advantage of direct contact measuring is the higher resolution and consequently the higher accuracy of the measurement. With 60 pulses per revolution, the SMT-500 series offer an industry leading maximum accuracy over the entire measuring range.

Order Info



SMT-500C

SMT-510C

Standard

Instrument with **LCD-Display**, measuring tip, - cone, and - wheel, extension shaft, operation manual, 2 AA Batteries, carrying case

Instrument with **LED-Display**, measuring tip, - cone, and - wheel, extension shaft, operation manual, 2 AA Batteries, carrying case

Option

SMT-500CX LCD Instrument with 12" measuring wheel
SMT-510CX LED Instrument with 12" measuring wheel

SMT-800 Calibration protocol

Spec

SMT-500C

SMT-510C

| | | SMT-500C | SMT-510C |
|----------------------------|------------------------|--|-----------------------------|
| Measuring Range | contact measurement | 0,1...25,000 RPM | |
| Measuring Principle | | optical encoder | |
| Operation Mode | revolution | RPM contact RPH contact | |
| | speed | m/min m/h yd/min yd/h ft/min ft/h in/min mi/h | |
| | distance / length | m cm yd ft in | |
| | totalise / count | number of revolution | |
| Accuracy | revolution | 0,006% (+/-1RPM) +/-0,06 RPM (<1000RPM) +/-0,6 RPM (<10000RPM) | |
| | speed / distance | 0,4% (+/- 1Digit) | |
| Resolution | revolution | 60 pulses/revolution | |
| | distance | 0,00254 m/pulse | |
| Display | type | LCD, 5-digit, 12mm high | red LED, 5-digit, 10mm high |
| | update time | 1000 msec | 500 msec |
| Memory | min / max / last | ✓ | |
| | additional values | 10 recordable values | |
| Batteries | number / type | 2 x 1,5V AA-Type | |
| | live time | 60 h | 30 h |
| | low battery indication | ✓ | |
| Temperature Range | operation | 0...45° C | |
| Weight | | 340 g | |
| Dimensions | LxWxH | 183 x 63 x 46 mm | |
| Housing Material | | aluminium dye cast | |
| Tripod Fixing | | 1/4-20unc, length 8mm | |