

METRONOR TWO

The highest-precision portable measurement solution

- SUPERIOR, TRUE ACCURACY OF $(20 + \frac{L}{70})\mu\text{m}$ U95, E.G. 27 μm FOR A 500mm PART OR 49 μm FOR A 2m PART
- INEXPENSIVE TO BUY AND OPERATE
- MEASUREMENT VOLUME OF 15m³
- FOR PARTS UP TO 2.5m
- EXCEPTIONALLY EASY TO USE
- BRING THE PCMM TO THE OBJECT, NOT VICE-VERSA



The new Metronor Two combines accuracy, affordability and ease-of-use like no other portable measurement system – providing the accuracy required to efficiently verify tight tolerance parts on the shop floor, in the production line, or even at the supplier's or customer's sites .

The wireless, light-weight probe provides unrivalled operator comfort also during long measurement sessions, and with a cubic measurement volume with sides of 2.5m length, it is easy to position even large parts for measurement. System set-up is fast and easy, and operator training is largely limited to learning the selected measurement software – EVO Light is standard, others optional.

Having no moving parts, the carbon fiber probe and the solid-state camera ensure precision you can trust also over time- even when regularly used in tough, industrial environments. With no need for scheduled re-calibration, there will not be downtime unless the equipment is severely mistreated.

Metronor Two comes as a complete system with all you need included in the rollaway, watertight case – plus there is a range of options available to tailor the system to your requirements, as well as upgrades should your needs change in the future.

APPLICATIONS INCLUDE:

- Prototyping
- Tool and die inspection
- Tube & pipe measurement
- In-process inspection
- On-machine inspection
- Fixture inspection
- As-built documentation
- Assembly alignment
- Tool building
- Reverse engineering

For more information: www.metronor.com

Technical Specifications

METRONOR TWO

PERFORMANCE SPECIFICATIONS

| | | |
|---------------------------|-----------------------------------|--------------------------|
| Measurement Volume | 15m ³ | 552ft ³ |
| | U95 distance measurement accuracy | +/- (0.020 + L/70000) mm |
| | | ±27 µm (L = 500 mm) |
| Accuracy | Examples of 3D length accuracy | ±34 µm (L = 1 m) |
| | L refers to part size | ±49 µm (L = 2 m) |
| | | ±63 µm (L = 3 m) |

HARDWARE SPECIFICATIONS

| | | |
|-------------------------|--|---|
| Environment | Operating Temperature | 10 to 45°C (50 to 113°F) |
| | Storage Temperature | -25 to 65°C (-13 to 150°F) |
| | Operating Humidity | < 95% relative humidity, non-condensing |
| | Pressure, Humidity, Temperature | No effect on measurement accuracy |
| | Vibration Stability Control (option) | 0 - 100 Hz, < 3 mm amplitude |
| | No Warm-up | |
| Electrical Power | Auto Switching (Battery operation optional) | 100-240 V AC, 50-60 Hz |
| Packaging | System Weight (excl. case) | 14 kg (30 lbs) |
| | Shipping Weight | 22 kg (49 lbs) |
| Computing Unit | Type | Laptop, Windows 10 Professional 64 bit |
| Sensor Unit | Type | CCD-based digital camera |
| | Optical Settings | Fixed aperture and focus, factory optimized |
| | Field of View | 38° x 32° |
| | Effective Resolution | 640.000 x 512.000 |
| | Unit Net weight | 0.80 kg (2 lbs) |
| Probing Unit | Type | Wireless handheld, with quick-change styli |
| | Material | Carbon fibre w/embedded active targets |
| | Styli | 25 mm and 125 mm included, other lengths optional |
| | Styli Type | 5 mm ruby sphere |
| | Unit Net Weight | 600g (1.8lbs) |