

# METRONOR TWO

*The highest-precision portable measurement solution*

- SUPERIOR, TRUE ACCURACY OF  $(20 + \frac{L}{70})\mu\text{m}$  U95, E.G. 27 $\mu\text{m}$  FOR A 500mm PART OR 49 $\mu\text{m}$  FOR A 2m PART
- INEXPENSIVE TO BUY AND OPERATE
- MEASUREMENT VOLUME OF 15m<sup>3</sup>
- 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](http://www.metronor.com)

## Technical Specifications

### METRONOR TWO

#### PERFORMANCE SPECIFICATIONS

<b>Measurement Volume</b>	15m <sup>3</sup>	552ft <sup>3</sup>
	U95 distance measurement accuracy	+/- (0.020 + L/70000) mm
		±27 µm (L = 500 mm)
<b>Accuracy</b>	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

<b>Environment</b>	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	
<b>Electrical Power</b>	Auto Switching (Battery operation optional)	100-240 V AC, 50-60 Hz
<b>Packaging</b>	System Weight (excl. case)	14 kg (30 lbs)
	Shipping Weight	22 kg (49 lbs)
<b>Computing Unit</b>	Type	Laptop, Windows 10 Professional 64 bit
<b>Sensor Unit</b>	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)
<b>Probing Unit</b>	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)