

# METRONOR ONE

## WHAT'S UNIQUE ABOUT IT?

Metronor One uses an optical technology based on a special mathematical optical modelling method that sets it apart from other products in the market. Electro-optics and photogrammetry let us accurately calculate where the handheld probe (called Lightpen) is located relative to the camera – both in terms of position and orientation.

The advantages? The measuring process is fast and reliable. Just take Metronor One out of its box, turn the PC and Lightpen on, place the camera on the tripod and start measuring. Another unique feature is that we don't have any hidden extras when it comes to pricing: your system arrives ready to use – software, laptop and all necessary parts included.

And when the time for expansion comes, you can upgrade Metronor One to other Metronor systems with larger measurement volume or higher accuracy without losing your initial investment.



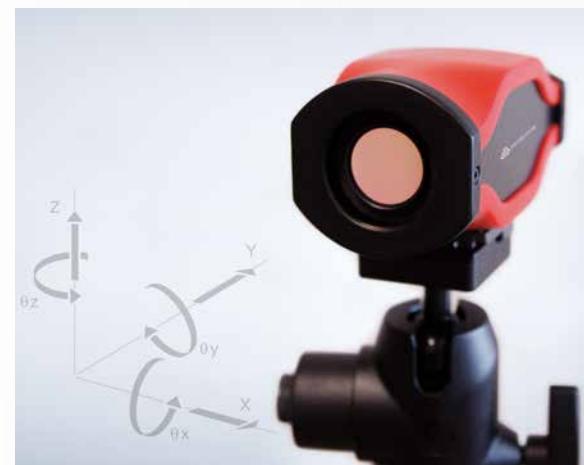
## ABOUT METRONOR

Metronor is a high technology company headquartered just outside Oslo, Norway, with subsidiaries in the US, Germany and China, globally supporting partners and customers.

Based on in-house innovation and research, Metronor has since 1989 developed a range of electro-optical portable coordinate measuring systems that have become popular among leading manufacturers worldwide.

Metronor's management system is certified to ISO 9001 and complies with ISO 14001.

For more information, please visit our website [www.metronor.com](http://www.metronor.com)



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Presenting  
**Metronor One**



## WHO'S IT FOR?

Anyone who needs to measure within a 15m<sup>3</sup>. This is the true usable measurement volume. Because Metronor One has no movement hindrances, you can measure any part that fits inside this volume, including hidden, hard to reach features. You can easily measure the outside and the inside of your part.



## USING YOUR ARM

Our handheld Lightpen is lightweight and has no cables attached, making it very comfortable to use. There is also no movement restriction like with the traditional articulated arm, which makes operator fatigue non-existent.

## WORRIED ABOUT ACCURACY?

Metronor One provides high volumetric accuracy throughout its measurement volume. There is no need to attach the Lightpen to something stable – it's handheld and moves naturally with you.

Accuracy deterioration, so common in articulated arms due to normal wear and especially with dust and grime in the joints, doesn't affect Metronor One. It has no joints!

## ONE CAMERA IS ALL YOU NEED

Metronor One is a single-camera system; the camera fits in the palm of your hand and is pre-calibrated. Also, our motto is "one camera for life" – there aren't any moving parts on our systems, all mounting fixtures are stable and there is no need for recalibration or maintenance.

The advantages? Robustness and reliability over time, without recurring expenses.



## STICKER-FREE

Do you dislike the idea of using stickers? So do we. That's why we've been using a technology for over 20 years that doesn't need them. Measuring should be simple, quick and intuitive.

Together with active LEDs that adjust automatically to different light and measurement distances, Metronor's unique intrinsic camera calibration method provides excellent sticker-free volumetric accuracy.



## MEASUREMENT 101

Developed with people who have never used a measurement system in mind, Metronor One is an out-of-the-box, ready-to-use solution.

Just open the case, switch it on and start measuring.

## WORKING WITH LIMITED SPACE

The area occupied by the system is equivalent to the area occupied by the camera tripod. And unlike arms, Metronor One offers no mechanical interference with the part you're measuring. The full system case is small and easy to carry.

As a direct benefit, you have absolute freedom of movement also in those areas that are difficult to reach, with zero mechanical interference.

## WHAT ABOUT TRAINING?

The software is self-explanatory and system handling very simple. And you can always visit our website for extra video tutorials, FAQs and tips, available 24/7 to all customers.

You'll be proficient extremely quickly.

## WHAT'S NEXT?

Visit [www.metronor.com](http://www.metronor.com) and learn more about us, our products, upgrades and how we can simplify your work.