

MEAX COAXIALITY
2-axis check of spindle/toolholder



Meax

Brand of ACOEM

Welcome to our world.

Since the very beginning in 1984, ACOEM AB has helped industries throughout the world to achieve more profitable and sustainable production. We have reached where we are today by having the courage to think beyond the norm and follow slightly unconventional paths. We have had the courage to make mistakes and find new directions. Through our resolve, ambition and knowledge we have become a global player and a leader in innovative, user-friendly measurement tools.



MEAX COAX APP

Works with the free MEAX Coax app! The app will guide you through the measurement process with our ease-of-use interface fast and easy!



MEAX COAXIALITY

The future of machine measurement

As ever-increasing demands are being placed on machine tools, we have arrived at the conclusion that an optimally functional machine forms the basis for better business. Modern machine tools must maintain a high level of flexibility, a high degree of utilization and a minimum downtime which calls for the correct geometry in all the machine's movements.

So we created MEAX and started to sketch solutions for machine tool measurements that, in our opinion, are so self-evident that they should have been developed a long time ago. By performing fast measurements, possessing a logical user interface, smart applications and fewer complicated functions, we can now build a future for machine tool measurement.

FEATURES MEAX COAXIALITY

16 mm shaft - Quick installation, no settings, no adjustments of lasers, no control of centering.

App-based – Easy to get started! Use your phone!

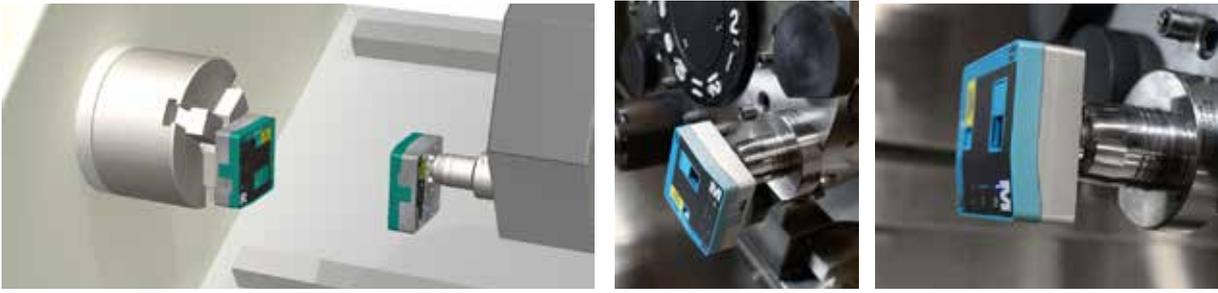
Wireless - Enable rotating the machine chuck during the measuring process. Doors can be closed when measuring.

2-axis sensors – MEAX Coaxiality reads two angles in the same measurement.

Save and share - The results are saved on your device, and can easily be shared.

Measuring distance - Up to 3 m.

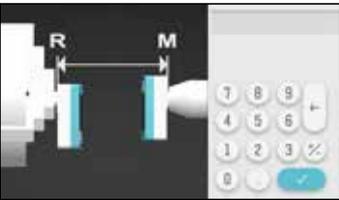




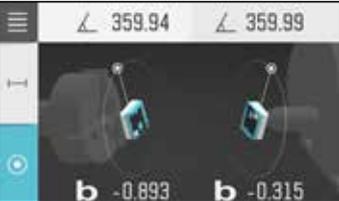
Measuring slant angle



Enter values between sensors



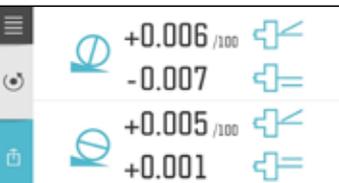
Start measuring



Rotate and record 4 measure positions



Result

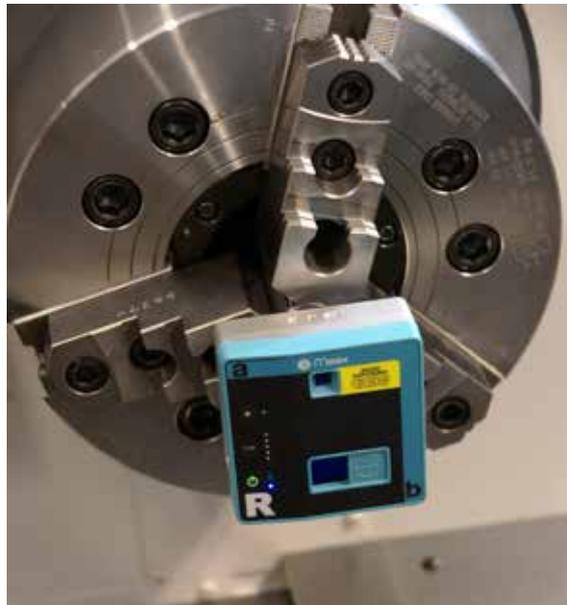


Share



The 2-axis angle sensor

MEAX Coaxiality has brought together new technology that generates precision down to 0,001 mm/m with a user interface in modern smartphones and tablet computers. Within of a few minutes, MEAX Coaxiality will enable you to check whether it is coaxiality between the workhead spindle and toolholder or opposing spindle. With the aid of a wireless connection to the smartphone or tablet, MEAX Coaxiality reads two directions in the same measurement.



Logical interface

MEAX Coaxiality is equipped with Bluetooth, which you use to connect to your mobile unit (iOS or Android). This is easily achieved using the MEAX Coax App which, with an easy-to-understand user interface, displays the position and pointing direction of the toolholder and the opposing spindle. The results are saved on your device, and can be shared in any way you wish from your file handling system, through e-mail, etc.

Developed for every measuring situation

Both sensors come fitted with batteries sufficient for 12 hours' operation. After a completed measurement task, recharging is carried out using the USB charger supplied. Each sensor is also fitted with our unique battery checker, which displays the battery level at the press of a button without activating the sensors or tablet.

The sensors' square shape has been specially adapted to fit into machines, and the turquoise colour enables them to be easily seen in industrial environment.

MEAX Coaxiality is also IP65-classed, giving a significant level of protection against liquids and dust.

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Housing material:	Anodized Aluminium and ABS plastic
Operating Temp:	15 to 30°C (59 to 86°F)
Weight:	306 g (10.9 oz)
Dimensions:	82mm x 86mm x 33mm (3.2 in x 3.4 in x 1.3 in)
Environmental protection:	IP 65
Laser:	650 nm class II diode laser
Laser power:	< 1mW
Measure distance	Up to 3 m
Detector:	2-axis PSD
Detector size:	16mm x16mm (0.6in x 0.6in)
Detector resolution:	1µm
Measurement accuracy:	1% ± 3 µm
Inclinometer resolution:	0.01°
Inclinometer accuracy:	± 0.1°
Communication range:	10 m (33 ft)
Power supply:	High performance Lilon battery or external power
Battery charging time (system off, room temp):	8 h
Battery LED indicators:	Unit state, laser transmission, battery status and Bluetooth status

Using MEAX COAX App*



1. Meax SM 201 2. Meax SR 201 3. Collet C25-16 2pcs. 4. Allen key 5. Power supply 4 USB-ports 5 VDC
6. Ext. power cable EUR 2 m 7. USB-cable A-mini 0,5 m black 2pcs.

ACCESSORIES



MEAX magnet base

ACOEM AB is a global player and leader of innovation in monitoring, maintenance and engineering. By helping industries worldwide to become perfectly measured and eliminating anything that might not be, we minimize unnecessary wear and production stoppages. This will ultimately make our customers more profitable and our environment more sustainable.



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