

MEAX LEVEL
2-axis levelling



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 LEVEL APP

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

MEAX LEVEL

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.

The 2-axis angle sensor

The future of machine tool measurement is here. MEAX Level 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 Level will enable you to determine whether the machine is in level and is receiving data concerning roll/pitch in the machine bed. With the aid of a wireless connection to the smartphone or tablet, MEAX Level reads two angles in the same measurement.



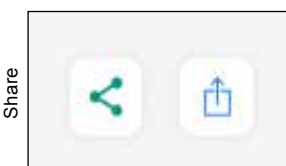
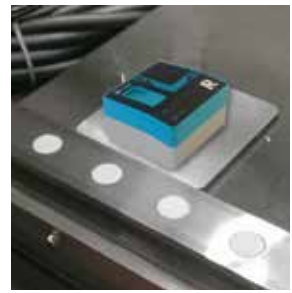
Meax Level Single

- One sensor - LM201
- High accuracy - resolution down to 0,001 mm/m
- Measure relative angular deviation
- Measure angle towards gravity - levelling

Meax Level Dual

- Two sensors: LM 201 (measurement) LR201 (reference sensor)
- High accuracy - resolution down to 0,001mm/m
- Measure pitch / roll on moving axis





Two axis levelling sensors – one complete result

The future of machine tool levelling measurement is here. MEAX Level has brought together new technology that generates accuracy down to 0,005 mm/m with a user interface in smartphones and tablet. Within of a five minutes, MEAX Level will enable you to determine whether the machine is in level and is receiving data concerning roll/pitch in the machine movement. Thanks to a wireless connection to the smartphone or tablet, MEAX Level reads two angles in the same measurement.



Logical interface

MEAX Level is equipped with Bluetooth, which you use to connect to your mobile unit (iOS or Android). This is easily achieved by the user-friendly MEAX Level App. It displays the angle deviation down to resolution of 0,001 mm/m. 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.

Industrial use

- Both level sensors come fitted with batteries sufficient for 12 hours' continuous operation.
- Each sensor include a battery indicator which displays the battery status without activating the sensors or tablet.
- The designed and color are customized to be easily seen in industrial environment.
- MEAX Level is also IP65-classed, giving a significant level of protection against liquids and dust.

MEAX LEVEL SINGLE

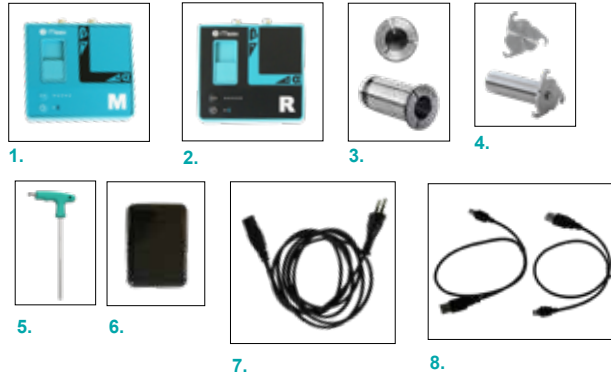


1. Meax LM 201 2. Spindel holder diameter 16 3. Ext. power cable EUR 2 m 4. USB-cable A-mini 0,5 m 5. Collet C25-16 6. Allen key 7. Power supply 4 USB-ports 5 VDC

MEAX LEVEL

Operating Temp:	15 to 30°C (59 to 86°F)
Storage Temp:	-20 to 70°C (-4 to 158°F)
Relative humidity:	10 – 90%
Weight:	386 g (13.6oz)
Dimensions:	77mm x 84mm x 45mm (3.0 in x 3.3 in x 1.8 in)
Environmental protection:	IP 65
Inclinometer:	High performance MEMS inclinometers
Calibrated measuring range:	±50mm/m
Internal resolution:	0.001mm/m
Displayed resolution:*	0.001 mm/m
Inclinometer accuracy:	1% ± 0.005mm/m
Temperature error:	0.015 mm/m/°C
Communication range:	10 m (33 ft)
Warming up time:	30 min
Operating time:	12 hours continuously
Battery Charging time:	8 h
Wireless communication:	Class I Bluetooth transceiver with multi-drop capability.
	BLE Bluetooth Low Energy (BT 4.0) and Classic Bluetooth Using MEAX Level App*

MEAX LEVEL DUAL



1. Meax LM 201 2. Meax LR 201 3. Spindel holder diameter 16 2pcs. 4. Collet C25-16 2pcs. 5. Allen key 6. Power supply 4 USB-ports 5 VDC 7. Ext. power cable EUR 2 m 8. USB-cable A-mini 0,5 m black 2pcs.

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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