



AT-400

Dual precision at every turn

Innovative and groundbreaking, the 2-axis shaft alignment tool redefines the standards of precision and efficiency in alignment procedures.

Unleash productivity and efficiency with advanced sensors and precise 2-axis measurement, delivering superior results across diverse applications.

Intuitive and user-friendly interface for simplified navigation and an enhanced user experience.

Specifications

Hardware Type M9 1-1216, S9 1-1217

Physical

Housing Material Anodized Aluminum frame and high impact ABS plastic

Weight M9: 306 g (10,8 oz) S9: 306 g (10,8 oz)

Dimensions TD9: 100mm x 77,3mm x 43mm (3,9 in x 3,0 in x 1,7 in)

Environment

Operating Temp -10 to 50 °C (14 to 122 °F)

Storage Temp -20 to 70 °C (-4 to 158 °F)

Long term storage Temp 18 to 28 °C (64 to 82 °F)

Room Temp

Battery Charging Temp 0 to 40 °C (32 to 104 °F)

Relative humidity 10 - 90%

Environmental protection IP65 (Dust tight and protected against water jets)

Sensing Technology

Laser 650 nm class II diode laser

Laser power < 1 mW

Measurement distance 63 mm to 20 m

Detector 2-axis PSD

Detector size 20 mm x 20 mm (0,79 in x 0,79 in)

Detector resolution 1 µm

Measurement accuracy 1% ± 3 µm

Signal processing Digital signal processing with sidespot rejection, edge detection, ambient light elimination and anti-vibration mode

Ambient light protection Optical filtering and ambient light signal rejection

Inclinometer Dual High Performance MEMS inclinometers

Inclinometer resolution 0,01 °

Inclinometer accuracy ±0,1 °

Gyroscope 6-Axis MEMS Inertial Motion Sensor with drift compensation and automatic field calibration

Gyroscope accuracy ±1 °

Battery

Type High performance Li Ion rechargeable battery or external power

Operating time 8 hours continuous use (measuring)

Charging 8 h

LED indicators Unit state, laser transmission and 5 battery status indicators with instant battery check

Specifications

Communication

Wireless communication Bluetooth low energy (Bluetooth 5)

Communication range 10 m (33 ft)

Connectors 1 USB Mini port (IP67)

ACOEM Alignment Display

A sunlight-readable, 8-inch capacitive multi-touch display with super-hardened Gorilla Glass, plus rain and glove mode. IP67 ruggedness rating (including the ports) for fully waterproof and dust-tight performance. Wide operating temperatures of -20°C to 60°C (-4°F to 140°F).

Packaging & Deliverables

Each ACOEM AT-400 D is delivered with the following package:

- Acoem M9
- Acoem S9
- Acoem AT DU
- Rod kit
- Magnetic base ON-OFF
- Extension fixture 49mm
- Chain 8 mm 60 links (L=970 mm)
- Magnetic v-bracket 2
- Tape measure 5 m
- Acoem usb
- V-bracket complete 2
- Angled universal tool 2
- USB-cable A-mini B 2m
- Power supply 4 USB-ports 5 VDC
- Quick Guide AT



Select Your Package

ACOEM AT-400 D

Acoem Alignment Display with Acoem Home included

ACOEM Home is an offline software on ACOEM DU, transferring data via USB, providing secure functions and apps.

ACOEM AT-400 T

Tablet Display included

Our system features a Wi-Fi enabled tablet capable of sharing reports and receiving app updates seamlessly.

ACOEM AT-400

Tablet Display unit not included.



ACOEM AT-400 Ultimate

ACOEM AT-400/D/T + ACOEM T21 . Add capability to measure rectangular flatness. Use the M9 sensor as receiver.



Centralize and share your reports with your team, consolidate your plant's alignment status, and assign alignment workorders to team members.



Available on the
 Google Play  App Store



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