

Micro-Meter by CWS

Precision measurement. Wireless connectivity. Smarter insights.



Micro-Meter is our next-generation precision measurement device, combining micrometer-level mechanical accuracy with modern wireless data transmission and real-time monitoring.

Key Benefits

- Ultra-precise measurement down to micrometer resolution
- Wireless connectivity for real-time data upload
- Compact & rugged design for shop floor or lab use
- Easy integration into MES / data systems
- Reduced human error via digital readouts and alerts
- Traceability & calibration support

Technical Specifications

Feature	Specification
Measurement Range	0 – 25 mm (or as per version)
Resolution	0.001 mm or better
Accuracy	High tolerance (specify)
Data Output	Bluetooth / WiFi / USB / LoRa
Power Source	Battery / DC input
Enclosure / Material	Durable, stable materials
Operating Conditions	Wide range (temp, humidity)
Calibration	Traceable, adjustable

Applications & Use Cases

- Precision machining & tooling
- Quality control labs
- Aerospace & defense component manufacturing
- Medical devices & micro-engineering
- R&D / metrology labs
- Process automation lines

Example: A precision parts manufacturer installed Micro-Meter units at several critical measurement stations. Real-time data upload allowed early detection of drift, reducing scrap by 20% and saving hours of manual logging.

About CWS

CWS delivers advanced metrology and measurement solutions that bridge the gap between mechanical precision and smart digital systems. With decades of experience, CWS introduces Micro-Meter as part of our vision for connected, intelligent production.

Contact Us

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