

NEW FROM MITUTOYO!

QuantuMike

ABSOLUTE DIGIMATIC IP65 Fast-Action Micrometer



The most **revolutionary** advance in Micrometer design since James Watt's invention in 1772

A breakthrough in micrometer technology

Mitutoyo introduces **QuantuMike***, a new fast-action, coolant-proof micrometer that represents a quantum leap in measuring efficiency!

* Patents registered in USA. Patents pending in Europe, Japan and China

Mitutoyo

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The most **revolutionary** advance in Micrometer design since James Watt's invention in 1772

The next generation

Heavy investment in refining precision screw thread manufacturing methods and developing advanced rotary encoder technology has enabled Mitutoyo to introduce **QuantuMike***, a new fast-action, coolant-proof micrometer that represents a quantum leap in measuring efficiency and which could be fairly described as one of the outstanding innovations in the history of the digital micrometer.



IP65

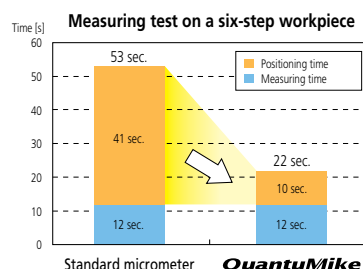
ABSOLUTE™

Absolute System Patented by MITUTOYO

Conventionally, a digital micrometer leadscrew needs a fine pitch, typically 0.5 mm, to give enough mechanical magnification for the miniature rotary encoder on the spindle to achieve the required resolution. This makes the micrometer slow to adjust when taking measurements and checking the origin point. This is frustrating for the user and is a factor that limits measurement efficiency.

QuantuMike overcomes this limitation by combining a precision 2mm-pitch leadscrew with an innovative high-resolution electro-magnetic induction rotary encoder** to increase adjustment speed by up to 4 times, giving the user a much better measurement experience and enabling a real increase in productivity.

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The results of tests on a stepped shaft showed that **QuantuMike** measured this workpiece 2.4 times faster* than a standard digital micrometer.

* Productivity gains depend heavily on the type of measurements made and their spacing within the measurement range.

QuantuMike model specifications

Measuring range	Code No.	Accuracy**	Resolution	Battery Life	Price
With data output					
0-1" / 0-25 mm	293-181	$\pm 1\mu\text{m}/\pm 0.00005"$	0.001mm / 0.00005"	2 years	£214.00
1-2" / 25-50 mm	293-182	$\pm 1\mu\text{m}/\pm 0.00005"$	0.001mm / 0.00005"	2 years	£228.00
Without data output					
0-1" / 0-25 mm	293-185	$\pm 1\mu\text{m}/\pm 0.00005"$	0.001mm / 0.00005"	2 years	£144.00
1-2" / 25-50 mm	293-186	$\pm 1\mu\text{m}/\pm 0.00005"$	0.001mm / 0.00005"	2 years	£199.00

** Excluding quantization error in the least significant digit.

Optional accessories for SPC

Accessories are available to enable **QuantuMike** models fitted with a DIGIMATIC data output port to be integrated into an SPC system based on a dedicated processor or a PC.

Order No.	Description	Price
05CAZ662	Signal Cable 1 m	£50.50
05CAZ663	Signal Cable 2 m	£60.80
264-012	Input tool IT-12U	£165.00
264-504	Digimatic mini processor DP-1VR	£278.00



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- Coordinate Measuring Machines
- Vision Measuring Systems
- Form Measurement
- Optical Measuring
- Sensor Systems
- Test Equipment and Seismometers
- Digital Scale and DRO Systems
- Small Tool Instruments and Data Management

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