



BOWERS

DigiMic

Connected & protected
accuracy...
In the workshop




 **Bluetooth®**




BOWERS GROUP

DigiMic Digital External Micrometer


At a Glance



Accuracy - Max permissible error = 2 µm, max error range = 2 µm



Non Bluetooth is available upon request



IP67 sealed

Features


- Very high accuracy - max. error range 0,002mm
- Free App – IOS / Android - capture data live and save
- Large 11.7mm high contrast display
- Always IP 67 sealed - even when connected
- IoT ready – connect to your BT device with no additional sw required
- Constant length, backlash free and rugged design
- Connected high accuracy measurement for the shop floor

Connected & protected accuracy...
In the workshop

Making External Measurement Quick and Easy

Bowers Group's own manufactured digital external micrometer **DigiMic** boasts an impressive accuracy of 2 µm max permissible error and 2 µm max error range. Ergonomically designed to fit comfortably in the hand, the DigiMic is an exceptionally robust micrometer, suitable for use in the harshest environments. DigiMic is manufactured with IP67 protection rating making it equally functional in a clean room or the factory floor. The extra-large digital display makes reading data straightforward; the user has an immediate visual confirmation of measurement in hand.

Custom variants available for eternal grooves, splines, threads.


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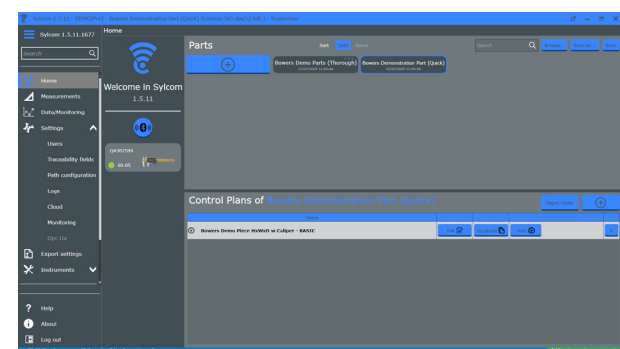
Bowers Group | sales@bowersgroup.co.uk | www.bowersgroup.co.uk

DigiMic Digital External Micrometer

Interconnected



The **DigiMic** belongs to Bowers Group's existing range of Bluetooth ready products, including Bowers bore gauges and hand tools. This bi-directional communication capability enables users to link the DigiMic with a range of IOT ready products. Options include Bowers Connect software products which range from a free APP enabling data collection on a smart phone or tablet, to a comprehensive multi-gauge package making data capture for every dimension on the part easy, and reporting efficient.



Have you seen our video **Introducing... DigiMic from Bowers Group**

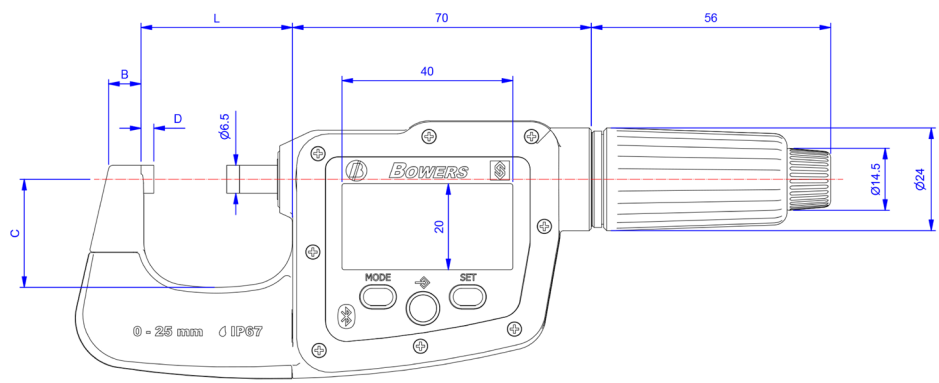
DigiMic Digital External Micrometer

MICROMETER

Size Ranges and Further Features

Using the micrometer has been made as simple as possible with minimal set up required. To reduce the battery consumption without losing the current reference position, a standby mode is automatically activated after 10 minutes of downtime. DigiMic has an automatic wake up activated by movement on the thimble.

DigiMic is sold singularly or in sets.



DigiMic - Digital External Micrometer

Code No	Description	Max Error Range (mm)	B (mm)	C (mm)	D (mm)	L (mm)
DM025	0-25mm Digital Micrometer	0.002	8	25	3	35
DM050	25-50mm Digital Micrometer	0.002	10	33	3	61
DM075	50-75mm Digital Micrometer	0.003	11	46	3	86
DM100	75-100mm Digital Micrometer	0.003	12	59	3	112
DMSET100	0-100mm Digital 4 Micrometer Set	As above				



All micrometers exceed BS 870, DIN 863/1 and ISO 3611 and are supplied with a UKAS Certificate of Calibration.

UK Sales / Customer Service


Bowers Group

Unit 3 Albany Court, Albany Park, Camberley,
Surrey, GU16 7QR


Tel: 08708 50 90 50 Fax: 08708 50 90 60

Email: sales@bowersgroup.co.uk

Website: www.bowersgroup.co.uk



CERTIFICATE OF CALIBRATION
Issued by Bowers Metrology
32 Leeds Old Road, Bradford BD3 8HU, West Yorkshire, UK
t: 01274 223456 f: 01274 223444
e: sales@bowersgroup.co.uk



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Approved Signatory
G.Ford

Customer
Bowers Group,
32 Leeds Old Road
Bradford BD3 8HU
West Yorkshire
UK

Certificate Nr: 11675

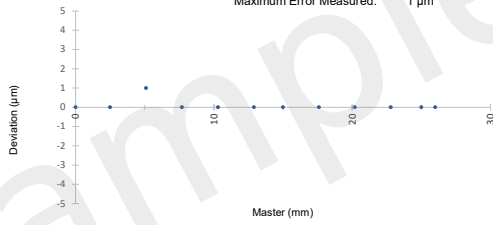
Date of Issue: 11 June 2024

Micrometer Type: Digital External Micrometer 0-26mm (New)
Product Code: DM025
Measuring Range: 0-26mm
Serial Number: DM025 01118
Calibration Date: 11 June 2024
Basis of Calibration: Calibrated in accordance with Bowers Metrology Procedure BCL025, to within BS 870.
Calibration Method: The micrometer was calibrated against standard units of length (gauge blocks).
Location: Permanent Laboratory

Gauge Blocks : S1835

Master (mm)	Measured Deviation (µm)
0.000	0
2.500	0
5.100	1
7.700	0
10.300	0
12.900	0
15.000	0
17.600	0
20.200	0
22.800	0
25.000	0
26.000	0

Permissible Error: 2 µm
Uncertainty of Measurement: ± 2 µm
Maximum Error Measured: 1 µm



	Zero Reading	Specification (µm)	Results (µm)	Uncertainty of Measurement (µm)
Flatness of Measuring Faces	Anvil	± 1.00	0.00	± 2 + (12 x L in m)
	Spindle	0.60	0.10	± 0.36
Parallelism of Measuring Faces		0.60	0.10	± 0.36
Alignment of Micrometer Spindle		2.00	1.50	± 1.1
Metric / Imperial conversion		50.00	39.00	± 24

Equipment Used: S1841

The results relate only to the instrument with the serial number quoted above

Inspection Temperature 20°C ± 1°C

Inspector: George Ford

End of Document

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor, k=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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