



**BOWERS**

# DigiMic

Connected & protected  
accuracy...  
In the workshop



 **Bluetooth®**



**BOWERS GROUP**

# DigiMic Digital External Micrometer

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MICROMETER

## At a Glance

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

 **Bluetooth** 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.

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Custom variants available for external grooves, splines, threads.



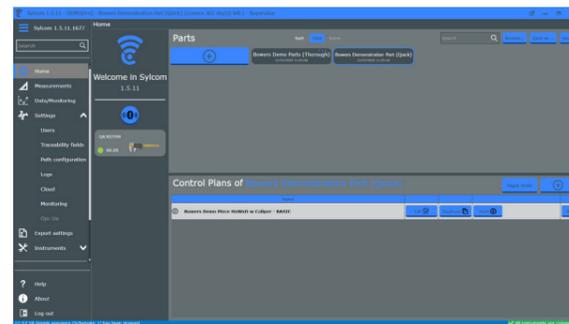
4

# 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.



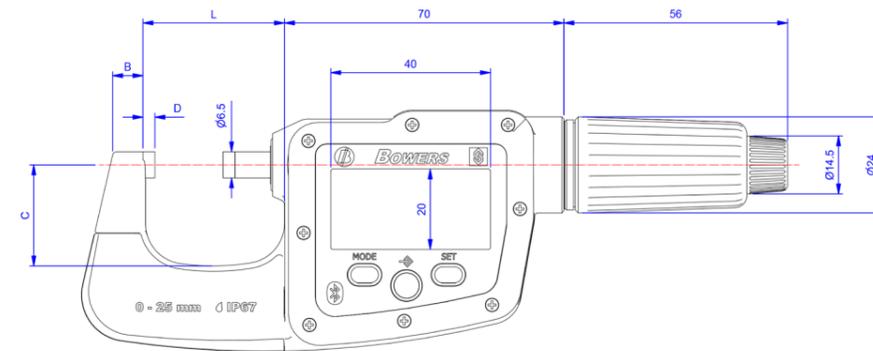
Have you seen our video **Introducing... DigiMic from Bowers Group**

# DigiMic Digital External Micrometer

## 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.

BOWERS		CERTIFICATE OF CALIBRATION		UKAS CALIBRATION																															
Customer Bowers Group, 32 Leeds Old Road Bradford BD3 8HU West Yorkshire UK		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		0268 Page 1 of 1 pages Approved Signatory <b>G.Ford</b>																															
Certificate Nr: 11675		Date of Issue: 11 June 2024																																	
<p>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</p>																																			
Gauge Blocks : S1835 Master Measured (mm) Deviation (µm)		Permissible Error: 2 µm Uncertainty of Measurement: ± 2 µm Maximum Error Measured: 1 µm																																	
<table border="1"> <tbody> <tr><td>0.000</td><td>0</td></tr> <tr><td>2.500</td><td>0</td></tr> <tr><td>5.100</td><td>1</td></tr> <tr><td>7.700</td><td>0</td></tr> <tr><td>10.300</td><td>0</td></tr> <tr><td>12.900</td><td>0</td></tr> <tr><td>15.000</td><td>0</td></tr> <tr><td>17.600</td><td>0</td></tr> <tr><td>20.200</td><td>0</td></tr> <tr><td>22.800</td><td>0</td></tr> <tr><td>25.000</td><td>0</td></tr> <tr><td>26.000</td><td>0</td></tr> </tbody> </table>		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										
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<p>The results relate only to the instrument with the serial number quoted above</p>																																			
Inspection Temperature 20°C ± 1°C		Inspector: George Ford																																	
<b>End of Document</b>																																			
<p>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.</p> <p>This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised by the National Physical Laboratory, or other recognised national metrology institutes. This certificate may not be reproduced other than in full except with the prior written approval of the issuing laboratory.</p>																																			

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