

Micromar. The digital Micrometer Micromar 40 EWRI

Waterproof Micrometer with Integrated Wireless

Large freedom of movement



Integrated Wireless clearly gives you more freedom of movement. When used with a digital micrometer in conjunction with a indicating measuring instruments, for example when measuring on or at the machine or with large workpieces you are not obstructed by any cables.



Large display

The high-contrast display with 10 mm high digits enables accurate, fatigue-free reading of the measurement results.



Security due to the Reference-Lock function

- Zero position is secured
- Operating error is not possible

The digital micrometer Micromar 40 EWRI Reference is equipped with a LOCK function. With this keylock the zero position is secured and operating error is avoided.



IP protection category



Excellent resistance against dust, coolants and lubricants

Code Initials	IP	International Protection
First digit	6	Dustproof
Second digit	5	Protected against powerful water jets



HOLD/DATA function

HOLD





Freezes the measured value after the measurement. Practical function for measuring tasks, where the display is not visible, i.e. measurements in the machine.

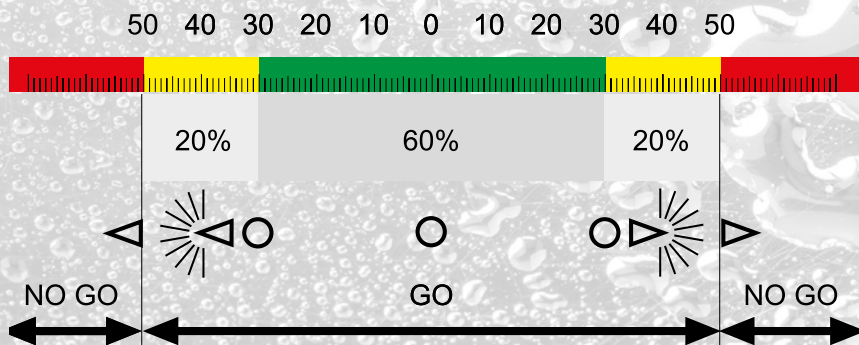
DATA

If data transmission is activated, the HOLD button acts as DATA button



Tolerance function with warning limits

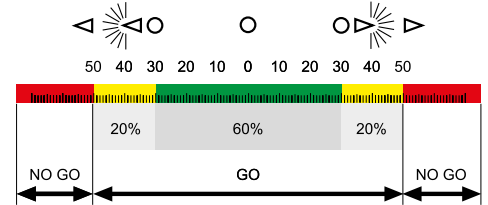
-  Measured value within tolerance limits
-  Warning limit: flashing arrow, if upper warning limit is reached
-  Warning limit: flashing arrow, if lower warning limit is reached
-  Measured value out of tolerance



Micromar 40 EWRI. Digital Micrometer

Functions

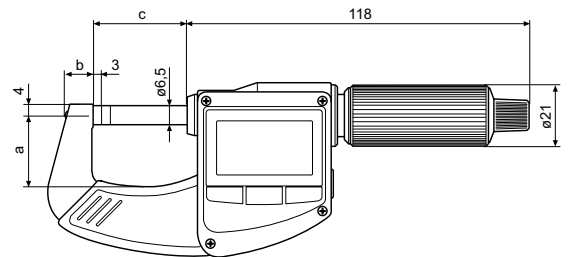
- RESET (set display to zero)
- ABS (display can be set to zero without losing reference to ORIGIN)
- mm/inch
- ORIGIN (for entering a numerical value)
- LOCK function (key lock)
- TOL (Tolerance and warning limits)
- DATA (Data transmission)
- HOLD (storage of measured values)
- High contrast analog display
- Spindle is hardened throughout and ground, stainless
- Spindle and anvil are carbide tipped
- Rapid drive
- Ratchet is integrated in the thimble
- Lacquered steel frame, heat insulated
- SoftwareMarCom Professional free download:
www.mahr.com/marcom
(only for Mahr data cables and wireless systems with USB and RS232 interface)
- **Height of digits:** 10 mm
- **Data interface:** Integrated wireless
- **IP protection category:** IP 65
- **Scope of delivery:** Instruction manual, Battery, Setting standard (from measuring range 25–50 mm), Case



Technical Data

Order no.	Product type	Measuring range		Resolution		Error limit		Spindle thread pitch		Measuring force	
		mm	mm	mm/inch	mm/inch	µm	mm	mm	N	N	
4157100	40 EWRI	0–25	0–25	0,001 / .00005"	0,001 / .00005"	2	2	0,5	0,5	5–10	5–10
4157101	40 EWRI	25–50	25–50	0,001 / .00005"	0,001 / .00005"	2	2	0,5	0,5	5–10	5–10
4157102	40 EWRI	50–75	50–75	0,001 / .00005"	0,001 / .00005"	3	3	0,5	0,5	5–10	5–10
4157103	40 EWRI	75–100	75–100	0,001 / .00005"	0,001 / .00005"	3	3	0,5	0,5	5–10	5–10

Order no.	a	b	c
	mm	mm	mm
4157100	24	9,5	32
4157101	36	11	57
4157102	45	13	82
4157103	57	13	107



Accessories

Order no.	Product description	Product type
4102220	Receiver incl. Software MarCom Std.	i-Stick
4102520	Battery 3 V, CR 2032	
4158000	Stand, for holding outside micrometers	41 H



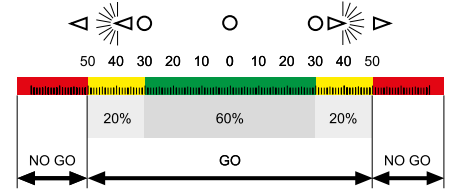
Scan the QR code to watch simple and practical applications



Micromar 40 EWRI. Digital micrometer set

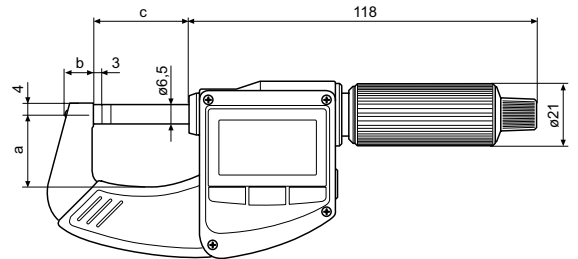
Functions

- RESET (set display to zero)
- ABS (display can be set to zero without losing reference to ORIGIN)
- mm/inch
- ORIGIN (for entering a numerical value)
- LOCK function (key lock)
- TOL (Tolerance and warning limits)
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- IP protection category: IP 65
- Scope of delivery: Instruction manual, Battery, Setting values, Case



Technical Data

Order no.	Product type	Measuring range	Resolution	Spindle thread pitch	Measuring force	Number of Micrometers
4157115	40 EWRI	0 – 100	0,001 / .00005"	0,5	N	4



Accessories

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4102520	Battery 3 V, CR 2032	
4158000	Stand, for holding outside micrometers	41 H



i-Stick



41 H