

# Micromar | The Digital Micrometer Micromar 40 EWRI

## Waterproof Micrometer with Integrated Wireless

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### Unconstrained Movement

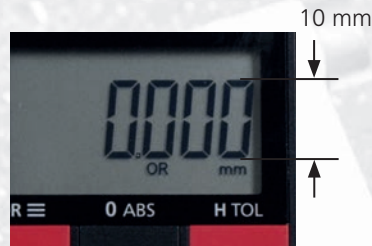


Integrated Wireless gives you unconstrained movement. For example, when using the digital micrometer or other wireless products, while measuring at the machine or on large parts, the user is not obstructed by cables.



### Large Display

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



### Reference Lock Protection

- Zero position is secured
- Operating error is not possible
- Lock prevents the pressing of buttons

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



Strong resistance against dust, coolants and lubricants.

Code Initials	<b>IP</b>	International Protection
First Digit	<b>6</b>	Dustproof
Second Digit	<b>5</b>	Protected Against Powerful Water Jets



## HOLD/DATA Function

### HOLD




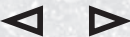
Freezes the measured value after the measurement is taken in a difficult to access area where the display cannot be seen.

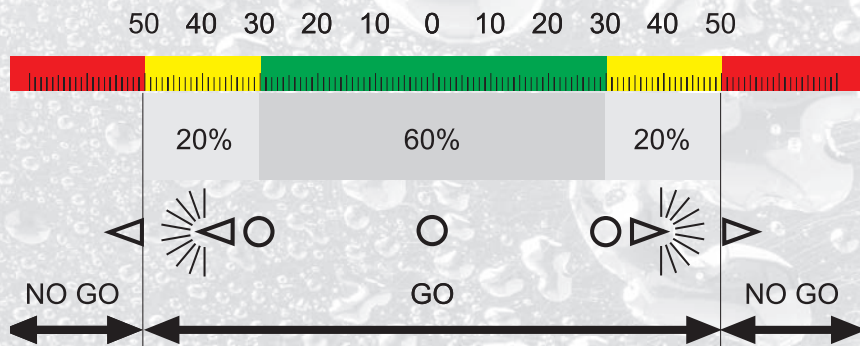
### DATA

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



## Tolerance Function with Warning Limits

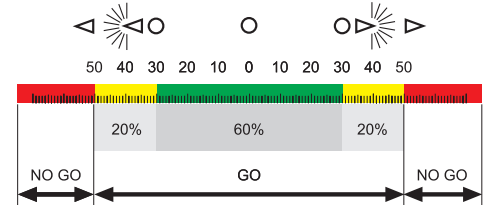
-  Measured value within tolerance limits
-  Warning limit: flashing arrow, if upper warning limit is reached
-  Warning limit: flashing arrow, if lower warning limit is reached
-  Measured value out of tolerance



# Micromar 40 EWRi | Digital Micrometer

## Functions

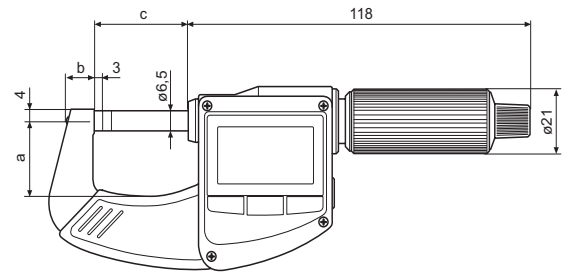
- RESET (set display to zero)
- ABS (display can be set to zero without losing reference to ORIGIN)
- mm/inch
- ORIGIN (for entering a numerical value)
- LOCK function (key lock)
- TOL (tolerance and warning limits)
- DATA (data transmission)
- HOLD (storage of measured values)
- High contrast digital display
- Hardened and ground stainless steel spindle
- Carbide tipped spindle and anvil
- Rapid drive
- Ratchet integrated in the thimble
- Lacquered and heat insulated steel frame
- MarCom Professional Software free download:  
[www.mahr.com/marcom](http://www.mahr.com/marcom) (only for Mahr data cables and wireless systems with USB and RS232 interface)
- **Digit Height:** 10 mm
- **Data Interface:** Integrated Wireless
- **IP Protection Category:** IP 65
- **Package Contains:** 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
4157100	40 EWRi	0 – 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 – 10 N
4157101	40 EWRi	25 mm – 50 mm / 1 in - 2 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 – 10 N
4157102	40 EWRi	50 mm – 75 mm / 2 in - 3 in	0,001 mm / 0.00005 in	3 µm	0,5 mm	5 – 10 N
4157103	40 EWRi	75 mm – 100 mm / 3 in - 4 in	0,001 mm / 0.00005 in	3 µm	0,5 mm	5 – 10 N

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



## Accessories

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



i-Stick



41 H

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