

# Micromar 40 EWRI-L

Digital micrometer



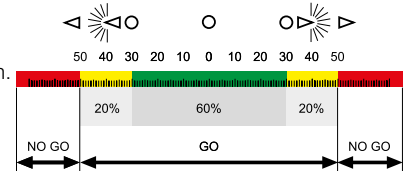
## FUNCTIONS

- 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 Input)
- HOLD (storage of measured values)
- DATA (data transmission)
- Bidirectional data interface (external output and input option of characteristic values as well as setting of individual lock functions by MarCom Software)



## Applications:

- Avoiding workpiece damage: The non-rotating spindle contacts the surface without any friction, which prevents scratch marks on sensitive and finely machined surfaces.
- Ideal for measuring thin metal foils without twisting and bending them.
- Thread flank measurement by using thread wires: Both wire holders always remain in the engaged position with the non-rotating spindle.



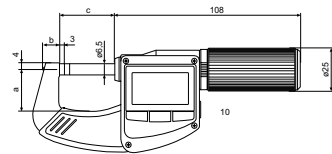
## FEATURES

- High contrast digital display
- Stainless spindle is hardened throughout and ground
- Spindle and anvil are carbide-tipped
- Quick drive
- Sliding spindle
- Ratchet is integrated in the thimble
- Lacquered steel frame, heat insulated
- **Software:** MarCom Professional free download: [www.mahr.com/marcom](http://www.mahr.com/marcom) (only for Mahr data cables and wireless systems with USB and RS-232 interface)
- **Digit height:** 10 mm
- **Data interface:** Integrated Wireless
- **Energy supply:** Battery life approx. 2 years (approx. 0.5 in wireless mode)
- **Battery type:** CR 2032 (3V Lithium)
- **IP protection category:** IP 65
- **Package contains:** instruction manual, battery, setting standard (measuring range of 25–50 mm), case

## TECHNICAL DATA

Order no.	Type	Measuring range	Measuring range	Measuring surface	Resolution	Error limit	Parallelism deviation	Flatness deviation
		mm	inch		mm/inch	µm	µm	µm
4157120	40 EWRI-L	0–25	0–1"	carbide	0.001 / .00005"	2	2	0.6
4157121	40 EWRI-L	25–50	1–2"	carbide	0.001 / .00005"	2	2	0.6
4157122	40 EWRI-L	50–75	2–3"	carbide	0.001 / .00005"	3	3	0.6
4157123	40 EWRI-L	75–100	3–4"	carbide	0.001 / .00005"	3	3	0.6
4157410	40 EWRI-L	0–100	0–4"	carbide	0.001 / .00005"			

Order no.	Spindle thread pitch	Measuring force	Standard	Number of micrometers	Model contact surface	a	b	c
	mm	N				mm	mm	mm
4157120	5	5–10	Factory standard		flat	24	9.5	32
4157121	5	5–10	Factory standard		flat	36	11	57
4157122	5	5–10	Factory standard		flat	45	13	82
4157123	5	5–10	Factory standard		flat	57	13	107
4157410	5	5–10	Factory standard	4	flat			



## ACCESSORIES

Order no.	Description	Type
4102220	Receiver for instruments with Integrated Wireless	i-Stick
4158000	Stand for holding outside micrometers	41 H



41 H



i-Stick