

Micromar 40 EWR-L

Digital micrometers



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 via connection cable)
- 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.

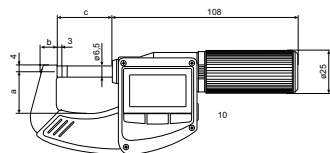
FEATURES

- 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 (only for Mahr data cables and wireless systems with USB and RS-232 interface)
- **Digit height:** 10 mm
- **Data interface:** MarConnect (bidirectional), USB, Digimatic
- **Energy supply:** Battery life approx. 2 years
- **Battery type:** CR 2032 (3V Lithium)
- **IP protection category:** IP 65
- **Package contains:** battery, instruction manual, 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
4157020	40 EWR-L	0–25	0–1"	carbide	0.001 / .00005"	2	2	0.6
4157021	40 EWR-L	25–50	1–2"	carbide	0.001 / .00005"	2	2	0.6
4157022	40 EWR-L	50–75	2–3"	carbide	0.001 / .00005"	3	3	0.6
4157023	40 EWR-L	75–100	3–4"	carbide	0.001 / .00005"	3	3	0.6
4157400	40 EWR-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
4157020	5	5–10	Factory standard		flat	24	9.5	32
4157021	5	5–10	Factory standard		flat	36	11	57
4157022	5	5–10	Factory standard		flat	45	13	82
4157023	5	5–10	Factory standard		flat	57	13	107
4157400	5	5–10	Factory standard	4	flat			



ACCESSORIES

Order no.	Description	Type
4102603	Data cable USB bidirectional (2 m)	DK-U1
4102606	Interface adapter with data cable Digimatic (2 m)	DK-D1
4158000	Stand for holding outside micrometers	41 H



41 H