

Micromar 40 EWR-V

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)
- HOLD (storage of measured values)
- DATA (data transmission)
- Bi-directional data interface (external input option of characteristic values and setting of individual lock functions by software MarCom)



Application:

For measuring thread flanks and gear diameters using quick-change measuring anvils.

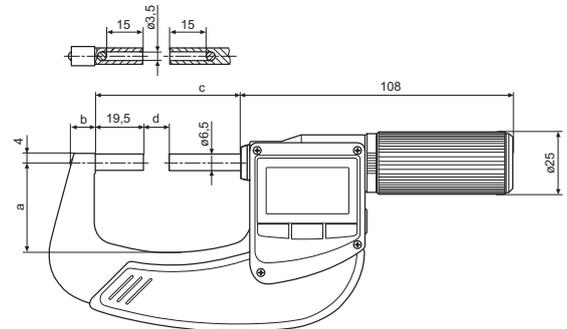
FEATURES

- With mounting bores for measuring anvils with a shaft \varnothing 3.5 mm
- High contrast analog display
- Stainless spindle is hardened throughout and ground
- 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 RS232 interface)
- **Digit height:** 10 mm
- **Data interface:** MarConnect (bidirectional), USB, Digimatic
- **Energy supply:** Battery life approx. 2 years
- **IP protection category:** IP 65
- **Package contains:** instruction manual, battery, setting standard (measuring range of 25–50 mm), case

TECHNICAL DATA

Order no.	Product type	Measuring range		Resolution	Error limit	Spindle thread pitch	Measuring force	Standard
		mm	inch	mm/inch	μ m	mm	N	
4157045	40 EWR-V	0–25	0–1"	0.001 / .00005"	4	5	5–10	DIN 863–3
4157046	40 EWR-V	25–50	1–2"	0.001 / .00005"	4	5	5–10	DIN 863–3
4157047	40 EWR-V	50–75	2–3"	0.001 / .00005"	6	5	5–10	DIN 863–3
4157048	40 EWR-V	75–100	3–4"	0.001 / .00005"	6	5	5–10	DIN 863–3

Order no.	a	b	c	Mounting hole
	mm	mm	mm	
4157045	32	11.5	57	For measuring anvils with a shaft diameter 3.5 x 15.5 mm
4157046	44	13.5	82	For measuring anvils with a shaft diameter 3.5 x 15.5 mm
4157047	57	15.5	107	For measuring anvils with a shaft diameter 3.5 x 15.5 mm
4157048	73	17	132.5	For measuring anvils with a shaft diameter 3.5 x 15.5 mm



ACCESSORIES

Order no.	Product name	Product type
4102520	Battery 3 V, CR 2032	
4102603	Data cable USB bi-directional (2 m)	DK-U1
4102606	Digimatic data cable (2 m)	DK-D1
4158000	Stand, for holding outside micrometers	41 H
4173210	Anvil flat, hardened steel	40 Za
4175000	Setting gage (25 mm) metric / UST 60°	43 Z
4175001	Setting gage (50 mm) metric / UST 60°	43 Z
4175002	Setting gage (75 mm) metric / UST 60°	43 Z
4175100	Setting gage (25 mm) Whitworth 55°	43 Z
4175101	Setting gage (50 mm) Whitworth 55°	43 Z
4175102	Setting gage (75 mm) Whitworth 55°	43 Z
4511190	Anvil flat, carbide-tipped	40 Za



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