

Micromar 40 EWR

Digital Micrometer

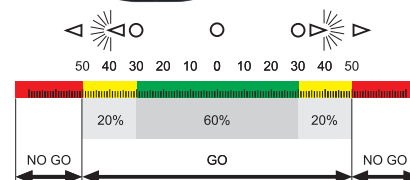


FUNCTIONS

- 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 via connection cable)
- Bi-directional data interface (external input option of characteristic values and setting of individual lock functions by software MarCom)



40 EWR



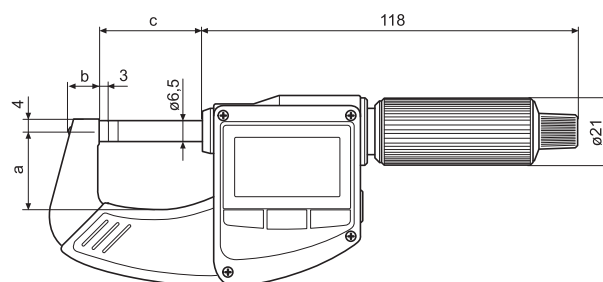
FEATURES

- High contrast analog display
- Stainless spindle is hardened throughout and ground
- Spindle and anvil are carbide-tipped
- Rapid drive
- 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	Parallelism deviation	Flatness deviation	Spindle thread pitch	Measuring force	Standard	Number of micrometers
		mm	inch	mm/inch							
4157000	40 EWR	0–25	0–1"	0.001 / .00005"	2	2	0.6	0.5	5–10	Factory standard	
4157001	40 EWR	25–50	1–2"	0.001 / .00005"	2	2	0.6	0.5	5–10	Factory standard	
4157002	40 EWR	50–75	2–3"	0.001 / .00005"	3	3	0.6	0.5	5–10	Factory standard	
4157003	40 EWR	75–100	3–4"	0.001 / .00005"	3	3	0.6	0.5	5–10	Factory standard	
4157004	40 EWR	100–125	4–5"	0.001 / .00005"	6	3	0.6	0.5	5–10	DIN 863-1	
4157005	40 EWR	125–150	5–6"	0.001 / .00005"	6	3	0.6	0.5	5–10	DIN 863-1	
4157006	40 EWR	150–175	6–7"	0.001 / .00005"	7	4	0.6	0.5	5–10	DIN 863-1	
4157007	40 EWR	175–200	7–8"	0.001 / .00005"	7	4	0.6	0.5	5–10	DIN 863-1	
4157015	40 EWR	0–100	0–4"	0.001 / .00005"				0.5	5–10	Factory standard	4

Order no.	a	b	c
4157000	24	9.5	32
4157001	36	11	57
4157002	45	13	82
4157003	57	13	107
4157004	73	13	132
4157005	82	13	157
4157006	95	13	182
4157007	106	13	207
4157015			



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



41 H

Micromar 40 ER

Digital Micrometer



FUNCTIONS

- RESET (set display to zero)
- mm/inch
- HOLD (storage of measured values)
- LOCK function (key lock)

FEATURES

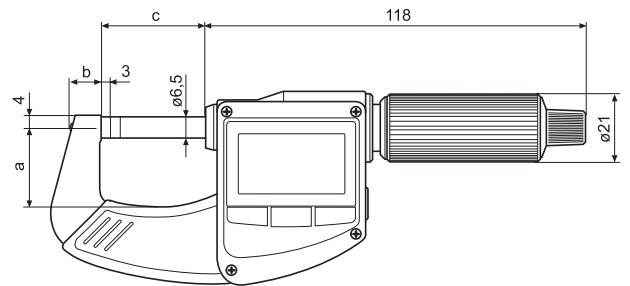
- High contrast analog display
- Stainless spindle is hardened throughout and ground
- Spindle and anvil are carbide-tipped
- Rapid drive
- Ratchet is integrated in the thimble
- **Digit height:** 10 mm
- **IP protection category:** IP 40
- **Package contains:** instruction manual, battery, case



TECHNICAL DATA

Order no.	Product type	Measuring range		Resolution	Error limit	Spindle thread pitch	Measuring force	Standard
		mm	inch					
4157010	40 ER	0 – 25	0 – 1"	0.001 / .00005"	2 µm	0.5 mm	5 – 10 N	Factory standard

Order no.	a	b	c
4157010	24 mm	9.5 mm	32 mm



ACCESSORIES

Order no.	Product name	Product type
4102520	Battery 3 V, CR 2032	
4158000	Stand, for holding outside micrometers	41 H



41 H

Micromar 40 EWR

Digital Micrometer



ABS



REF system

FUNCTIONS

- RESET (set display to zero)
- ABS (display can be set to zero without losing reference to preset)
- mm/inch
- PRESET (for entering a numerical value)
- LOCK function (key lock)
- HOLD (storage of measured values)



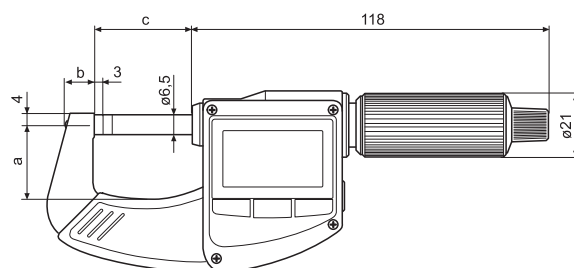
FEATURES

- High contrast analog display
- Stainless spindle is hardened throughout and ground
- Spindle and anvil are carbide-tipped
- Rapid drive
- Ratchet is integrated in the thimble
- Lacquered steel frame, heat insulated
- Digit height: 10 mm
- 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	µm	mm	N	
4157011	40 EWR	0–25	0–1"	0.001 / .00005"	2	0.5	5–10	Factory standard
4157012	40 EWR	25–50	1–2"	0.001 / .00005"	2	0.5	5–10	Factory standard
4157013	40 EWR	50–75	2–3"	0.001 / .00005"	3	0.5	5–10	Factory standard
4157014	40 EWR	75–100	3–4"	0.001 / .00005"	3	0.5	5–10	Factory standard

Order no.	a	b	c
	mm	mm	mm
4157011	24	9.5	32
4157012	36	11	57
4157013	45	13	82
4157014	57	13	107



ACCESSORIES

Order no.	Product name	Product type
4102520	Battery 3 V, CR 2032	
4158000	Stand, for holding outside micrometers	41 H



41 H

Micromar 40 EWR-L

Digital Micrometer



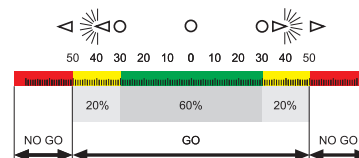
FUNCTIONS

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



Application:

- Avoiding workpiece damage: The non-rotating spindle has a touching contact, 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



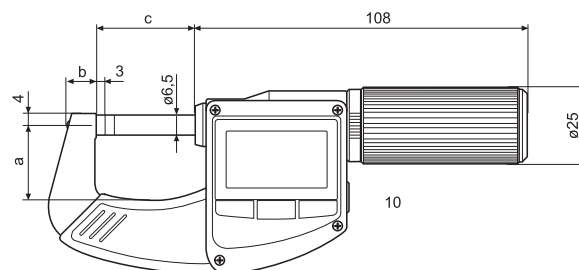
FEATURES

- High contrast analog 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 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:** battery, instruction manual, setting standard (measuring range of 25–50 mm), case

TECHNICAL DATA

Order no.	Product type	Measuring range		Resolution	Error limit	Parallelism deviation	Flatness deviation	Spindle thread pitch	Measuring force	Standard
		mm	inch							
4157020	40 EWR-L	0–25	0–1"	0.001 / .00005"	2	2	0.6	5	5–10	Factory standard
4157021	40 EWR-L	25–50	1–2"	0.001 / .00005"	2	2	0.6	5	5–10	Factory standard
4157022	40 EWR-L	50–75	2–3"	0.001 / .00005"	3	3	0.6	5	5–10	Factory standard
4157023	40 EWR-L	75–100	3–4"	0.001 / .00005"	3	3	0.6	5	5–10	Factory standard

Order no.	a	b	c
	mm	mm	mm
4157020	24	9.5	32
4157021	36	11	57
4157022	45	13	82
4157023	57	13	107



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



41 H