

# Micromar 44 EWR

Digital inside micrometer



## 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)
- DATA (data transmission via connection cable)
- LOCK function (key lock)

## FEATURES

- Threaded connection for changing the measuring head
- Self-centering measuring head consists of 3 laterally positioned anvils, each are offset at intervals of 120°
- Anvils from 12 mm are carbide tipped
- From 12 mm the anvils can be used to measure the bottom of a bore
- From 40 mm all measuring heads are made from aluminium to reduce weight
- **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:** 8,5 mm
- **Data interface:** Digimatic, Opto RS-232C, USB
- **Energy supply:** Battery life approx. 2 years
- **Battery type:** CR 2032 (3V Lithium)
- **IP protection category:** IP 52
- **Package contains:** basic units 44 EWg, measuring head 44 Ak, instruction manual, battery, case



**Applications:**  
For measuring

- Through holes
- Blind holes
- Centering shoulders

## TECHNICAL DATA

Order no.	Type	Measuring range		Resolution	Error limit	Standard	Measuring depth	
		mm	inch				mm	mm with extension
4191120	44 EWR	6 – 8	.25 – .3125"	0.001 / .00005"	4	DIN 863-4	58	133
4191121	44 EWR	8 – 10	.3125 – .4"	0.001 / .00005"	4	DIN 863-4	58	133
4191122	44 EWR	10 – 12	.4 – .4725"	0.001 / .00005"	4	DIN 863-4	58	133
4191123	44 EWR	12 – 16	.4725 – .625"	0.001 / .00005"	4	DIN 863-4	64	139
4191124	44 EWR	16 – 20	.625 – .775"	0.001 / .00005"	4	DIN 863-4	64	139
4191125	44 EWR	20 – 25	.775 – 1"	0.001 / .00005"	4	DIN 863-4	68	218
4191126	44 EWR	25 – 30	1 – 1.2"	0.001 / .00005"	4	DIN 863-4	68	218
4191127	44 EWR	30 – 40	1.2 – 1.6"	0.001 / .00005"	4	DIN 863-4	76	226
4191129	44 EWR	40 – 50	1.6 – 2"	0.001 / .00005"	4	DIN 863-4	76	226
4191130	44 EWR	50 – 60	2 – 2.35"	0.001 / .00005"	5	DIN 863-4	79	229
4191131	44 EWR	60 – 70	2.35 – 2.75"	0.001 / .00005"	5	DIN 863-4	79	229
4191032	44 EWR	70 – 85	2.75 – 3.35"	0.001 / .00005"	5	DIN 863-4	97	247
4191033	44 EWR	85 – 100	3.35 – 4"	0.001 / .00005"	5	DIN 863-4	97	247
4191034	44 EWR	100 – 125	4 – 4.9"	0.001 / .00005"	6	DIN 863-4	132	282
4191035	44 EWR	125 – 150	4.9 – 5.9"	0.001 / .00005"	6	DIN 863-4	132	282
4191036	44 EWR	150 – 175	5.9 – 6.9"	0.001 / .00005"	7	DIN 863-4	132	282
4191037	44 EWR	175 – 200	6.9 – 7.9"	0.001 / .00005"	7	DIN 863-4	132	282