

Multimar 25 EWR

Digital Universal Calipers



FUNCTIONS

- ON/OFF
- AUTO-ON / OFF
- RESET (set display to zero)
- mm/inch
- PRESET (for entering a numerical value)
- LOCK function (key lock)
- DATA (data transmission via connection cable)

FEATURES

- For easy adaptation to individual measuring tasks, optional accessories include:
 - Interchangeable measuring arms
 - Contact blocks
 - Stop elements
- The digital display is always in the operator's line of vision due to the patented mounting fixture of the measuring elements provided on the upper and lower longitudinal face of the arm holders
- Application range can be extended by turning the measuring arms
- The two arm holders can be moved along the rail, providing a well-balanced weight distribution, even with small dimensions
- Hardened stainless steel slide and rail
- **Data interface:** USB, Digimatic, Opto RS232C, Wireless
- **Energy supply:** Battery life approx. 3 years
- **IP protection category:** IP 65
- **Package contains:** battery, instruction manual, mounting and resting blocks, wooden case, without arms/attachments and anvils
- Software MarCom Professional free download: www.mahr.com/marcom (only for Mahr data cables and wireless systems with USB and RS232 interface)



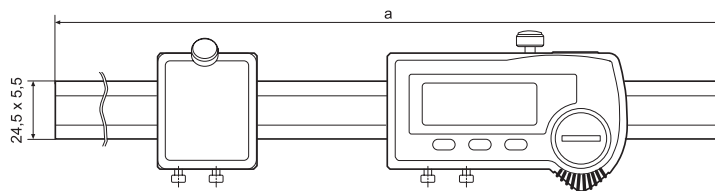
Application:

- For measuring:
 - Outside and inside diameters
 - Centering shoulders
 - Narrow collars
 - External and internal tapers
 - Dovetails
 - Grooves
 - Distances between hole centers

TECHNICAL DATA

Order no.	4119000	4119001	4119002	4119003	
Product type	25 EWR				
Application range outside	mm	0–300	0–600	0–1000	0–1250
Resolution	mm/inch	0.01 / .0005"			
Error limit	mm	0.03		0.04	

Order no.	a
	mm
4119000	480
4119001	790
4119002	1200
4119003	1450



ACCESSORIES

Order no.	Product name	Quantity	unit	Product type
4102520	Battery 3 V, CR 2032			
4102915	Digimatic data cable (2 m)			16 EWd
4102410	Data connection cable RS232C (2 m)			16 EXr
4102357	16 EXu Data connection cable USB (2 m)			16 EXu
4102231	16 EWe Transmitter for e-Stick			16 EWe
4118520	Setting gage			25 Eel
4503030	Mounting attachment	Pair		844 Tma
4503031	Mounting attachment	Pair		844 Tmi
4503024	Measuring arms, 25 mm	Pair		844 Te
4503025	Measuring arms, 35 mm	Pair		844 Te
4503026	Measuring arms, 70 mm	Pair		844 Te
4503027	Measuring arms, 100 mm	Pair		844 Te
4503109	Depth stops for 844 Tma, 844 Tmi, 844 Te	Pair		844 Tw
4119010	Measuring tips for drill hole intervals, Ø 2–20 mm	Piece		25 Eba
4119011	Measuring tips for drill hole intervals, Ø 10–40 mm	Piece		25 Eba
4503020	Case for accessories			844 Tzb



16 EWe



844 Tma



844 Tw



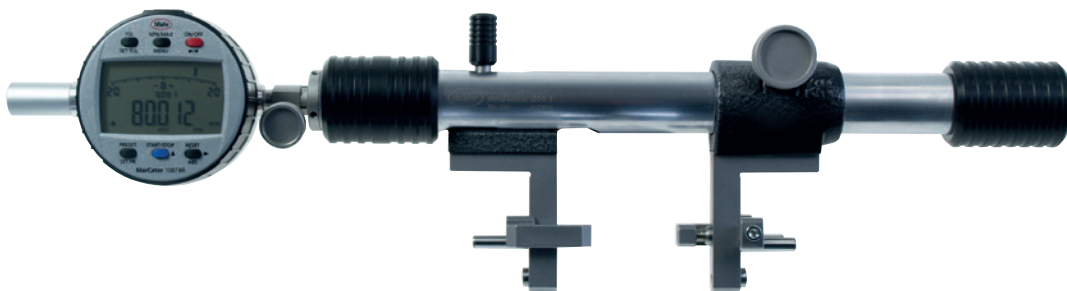
25 Eba

Multimar 844 T

Universal Measuring Instrument

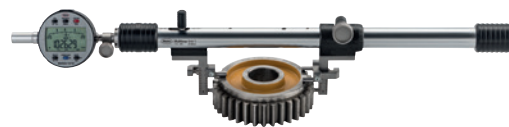
FEATURES

- For easy adaptation to individual measuring tasks, optional accessories include:
 - Interchangeable measuring arms
 - Contact blocks
 - Stop elements
- The movable measuring arm carrier is mounted on a high precision ball bearing guide for reduced play and friction
 - Results in high measuring sensitivity, accuracy and free movement
- Stable support elements for repeatable measurements
- Constant measuring force with integrated measuring force spring
- Reversible measuring force direction for outside and inside measurement
- Highly stable, precision ground, hard chrome plated guide tube
- Lightweight construction with core made from carbon fiber reinforced plastic (CRP) tube, for measuring range 1000–1500 mm
- The stationary measuring arm holder can be moved along the guide tube and clamped for coarse adjustment
- **Package contains:** instruction manual, mounting and resting blocks, wooden case, excludes indicator, without arms/attachments and anvils



Application:

- External and internal measurement of lengths, widths, diameters, distances
- External and internal threads
- Centering shoulders, narrow collars, recesses and grooves
- External and internal tapers
- External and internal gears
- etc.



TECHNICAL DATA

Order no.	Product type	Application range outside	Application range inside	Measuring force	Travel of movable anvil	Product weight
4503001	844 T	0–85	30–115	5	12	0.78
4503002	844 T	80–235	110–265	5	12	1.01
4503003	844 T	230–585	260–615	5	12	1.59
4503004	844 T	580–985	610–1015	5	12	2.22
4503005	844 T	970–1470	1000–1500	10	12	2.52
4503006	844 T	1470–1970	1500–2000	10	12	2.68
4503007	844 T	1970–2470	2000–2500	10	12	2.86
4503008	844 T	2470–2970	2500–3000	10	12	3.26
4503009	844 T	2970–3470	3000–3500	10	12	3.43
4503010	844 T	3470–3970	3500–4000	10	12	3.62
4503011	844 T	3970–4470	4000–4500	10	12	3.81