

# MarTest 800 EW / 800 EWL

## Digital Test Indicator



### FUNCTIONS

- ON/OFF
- RESET (set display to zero)
- mm/inch
- MAX/MIN memory for searching the reversal point
- TIR (MAX-MIN) for testing flatness and concentricity

### FEATURES

- Inductive measuring system
- Battery life approx. 2 years
- Operating unit is protected against coolants and lubricants, protection class IP65
- Combined analog and digital display
- Operating and display unit (bezel) can be rotated through 360°
- Satin chrome finished housing with 3 dovetail guideways
- Shockproof
- Movement bearings are jeweled
- Automatic matching to sensing direction
- Anti-magnetic
- Double lever supported in ball bearings
- Overload protection provided by slip clutch
- **Data interface:** Opto RS232C, USB
- **IP protection category:** IP 65
- **Package contains:** mounting shaft 800a8, spanner for changing the styli, stylus dia.  $\varnothing 2$  mm, case
- SoftwareMarCom Professional free download: [www.mahr.com/marcom](http://www.mahr.com/marcom) (only for Mahr data cables and wireless systems with USB and RS232 interface)



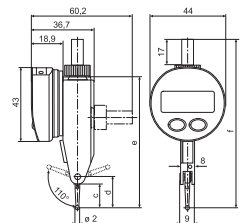
### Application:

- Measurement of concentricity, alignment, parallelism and flatness
- Centering of bores and shafts
- Parallel or perpendicular alignment of work pieces

### TECHNICAL DATA

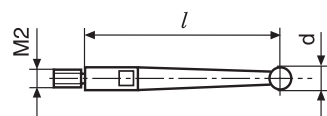
Order no.	4305120	4306120
Product type	800 EW	800 EWL
Measuring range	mm $\pm 0.4$	$\pm 0.25$
Measuring range	inch $\pm .015''$	$\pm .010''$
Resolution	mm 0.001	
Resolution	inch .00005"	
Measuring force	N 0.13	0.07
Deviation range $f_e$	$\mu\text{m}$ 10	
Total deviation range $f_{ges}$	$\mu\text{m}$ 13	
Hysteresis $f_u$	$\mu\text{m}$ 5	7
Partial measuring span $f_t$	$\mu\text{m}$ 5	
Repeatability $f_w$	$\mu\text{m}$ 3	
Standard	Factory standard	

Order no.	c	d	e	f	Mounting shaft	Measuring anvil length
	mm	mm	mm	mm	mm	mm
4305120	13.6	17.8	75	99	8	14.5
4306120	40.3	44.6	102	126	8	41.24



### ACCESSORIES

Order no.	Product name	Product type
4305870	Stylus $\varnothing 1.0$ mm, carbide, $l = 14.5$ mm	800 ts
4305850	Stylus $\varnothing 2.0$ mm, carbide, $l = 14.5$ mm	800 ts
4305871	Stylus $\varnothing 3.0$ mm, carbide, $l = 14.5$ mm	800 ts
4102520	Battery 3 V, CR 2032	
4305122	Data connection cable RS232C (2 m)	800 EWr
4305121	800 EWu Data connection cable USB (2 m)	800 EWu
4309051	Stylus $\varnothing 2.0$ mm, ruby, $l = 14.5$ mm	800 tsr
4306850	Stylus $\varnothing 2.0$ mm, carbide, $l = 41.24$ mm	800 tl
4306851	Stylus $\varnothing 1.0$ mm, carbide, $l = 41.24$ mm	800 tl
4306853	Stylus $\varnothing 3.0$ mm, carbide, $l = 41.24$ mm	800 tl
4309053	Stylus $\varnothing 2.0$ mm, ruby, $l = 41.24$ mm	800 tlr



800 tb;800 tbr;800 te;800 ter;800 tl;800 tlr;800 ts;800 tsr;801 tl