Willrich Precision Ph 866-945-5742

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Universal Digital Caliper MarCal 16 EWV in set



Applications

 The 16 EWV can also be used as a standard caliper (4 types of measurement).

When used in conjunction with the standard accessories; it is possible to measure recesses, grooves, etc.

In conjunction with the additional accessories; threads, bores, serrations, etc. can be measured.

Features

Functions:

ON/OFF RESET (Set display to zero) mm/inch Reference-Lock/Unlock PRESET (for entering a numerical value) DATA (Data transmission via connection cable) Auto-ON/OFF

• Immediate measurement due to the Reference system

- Excellent resistance against dust, coolants and lubricants, protection class IP67
- MarConnect data output, choose alternatively: USB, OPTO RS232C or Digimatic
- Dirt wipers are integrated in the slide
- Life of the battery up to 3 years
- Max measuring speed 2.5 m/s (100"/s)
- High contrast LCD with 8.5 mm high digits

- · Lapped guide way
- Slide and beam made of hardened stainless steel
- Measuring blades for inside measurement
- Step measuring function
- Locking screw
- Supplied with: Case, battery, operating instructions

Technical Data

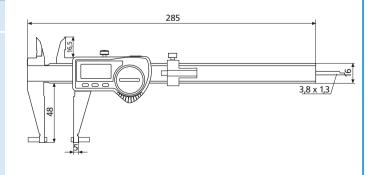
ľ	Measuring range*		Resolution	Error limit G	Order no.
r	mm	(inch)	mm / inch	mm	
2	200	(8")	0.01 / .0005"	0.03	4118807**
2	200	(8")	0.01 / .0005"	0.03	4118808***

^{*} in conjunction with accessories the measuring range may change ** includes standard accessories *** excludes standard accessories

Accessories

		Order no.
Battery 3V, Type CR 2032 Data Connection Cable USB (2 m) Data Connection Cable Opto RS232C	16 EXu	4102520 4102357
(2 m), with SUB-D jack 9-pin Data Connection Cable Digimatic (2 m),	16 EXr	4102410
Flat plug 10-pin	16 EXd	4102411
Ai fou Dota Duai choustou	1 1	

Accessories for Data Processing see Chapter 11



see Pages 10-12/10-14

Universal Digital Caliper MarCal 16 EWV in set Standard Accessories are included in the set Order no. Catalog no. Description Required Remarks quantity Depth Measuring Bridge 4102020 1 16 Em Setting Gage for 16 Eel 4118817 16 Eel inside measurement 50 ±0.003 16 Ec Measuring Force Device 4118818 1 16 Eea 1 Anvils for 4118810 2 up to 16 Eea1 outside measurements dia. 175 mm Anvils for 16 Eea 2 4118811 2 up to outside measurements dia. 175 mm 16 Eea 16 Eea 3 Anvils for 4118812 2 up to outside measurements dia. 175 mm 16 Eei 1 Anvils for 4118813 2 from inside measurement dia. 27 mm 16 Eei 2 Anvils for 4118814 2 from inside measurement 16 Eei dia. 39 mm 16 Eei 3 Anvils for 4118815 2 from inside measurement dia. 39 mm Screws M2 x 8 4879602 2 **Additional Accessories** Catalog no. Description Order no. Required **Remarks** quantity 16 Eei 4 Anvils for 2 from dia. 8.5 mm 4118816 inside measurement 16 Eab Mounting Attachment for 2 4118819 844Tg/Tr and 844 Tk 844 Tk **Ball Anvils** 2 see Page 10-10

1 + 1

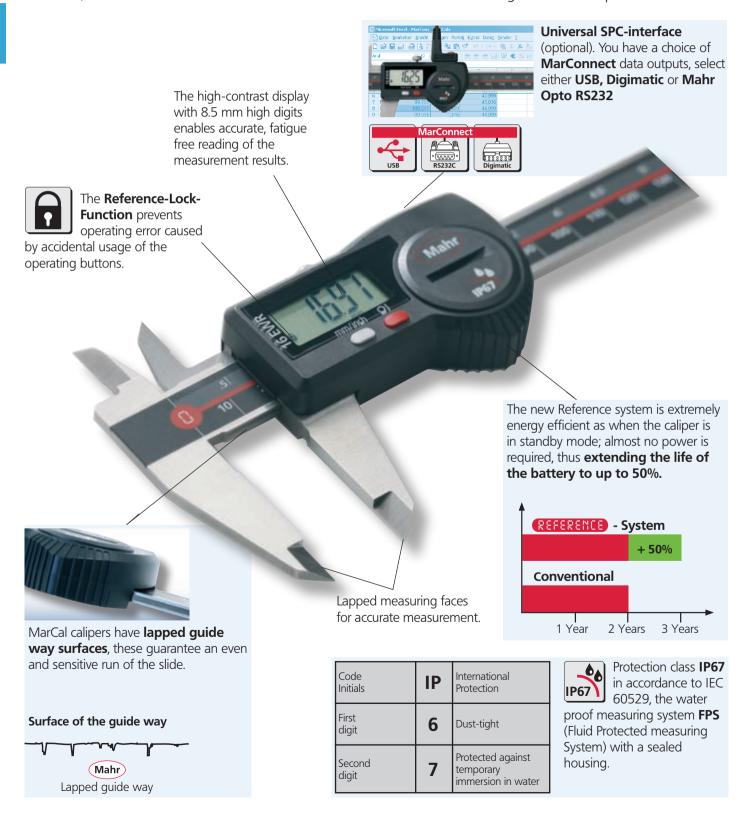
Thread Anvils

844 Tg/Tr



MarCal. The new Generation with the Reference-System **WATERPROOF CALIPERS**

► I The water-proof digital caliper **MarCal** 16 EWR, with protection class IP67 and the Reference Lock-Function, ensures both accurate and reliable results even in the most toughest workshop conditions.





MarCal - The innovative Reference-System

Just set once to zero

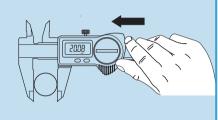
All Mahr digital calipers with this logo **REFERENCE** are equipped with the innovative Reference-System. The zero position just has to be set once: after setting the zero position, the zero remains stored for all further measurements. Therefore, once the caliper is switched ON or the slide is moved the caliper is immediately ready for measurement. The need to reset to zero with a conventional caliper once the caliper is switched on has now become obsolete.

Conventional

- ① Switch ON
- ② Close the measuring jaws
- 3 Set to zero
- Results of measurement







REFERENCE - System

① Switch ON

② Results of measurement



REFERENCE



Press the ON key

or move the slide

IP-Protection classes

First digit is the degree of protection according to IEC 60529			Second digit is the degree of protection according to IEC 60529 (approximate)	
Protection against particles, contaminants and dust		Protection against wet conditions (fluids)		
0	Not protected	0	Not protected	
1	Particles > 50.0 mm	1	Falling water drops - vertical	
2	Particles > 12.5 mm	2	Falling water drops - tilted < 15°	
3	Particles > 2.5 mm	3	Spray water < 60°	
4	Particles > 1.0 mm	4	Water splashing from all directions	
5	Dust protected	5	Water jets from all directions	
6	Dust tight	6	Powerful water jets	
		7	Temporary immersion in water	
		8	Continuous immersion in water	



Example:
IP67 means that
the product is
"Dust tight" and is
protected against
"Temporary
immersion in water".