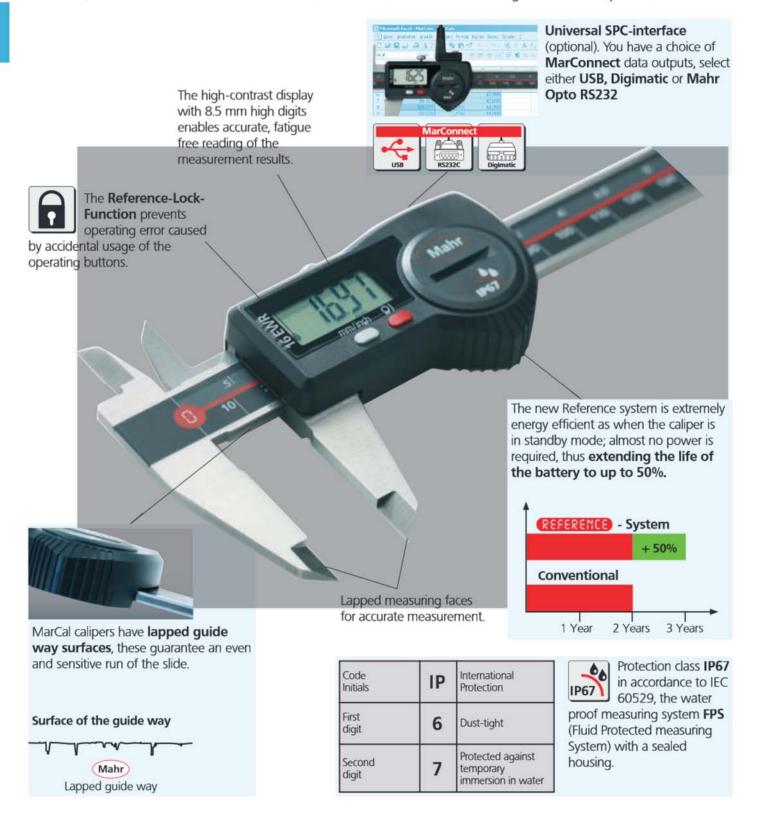
# **MarCal.** The new Generation with the Reference-System **WATERPROOF CALIFERS**

► 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.



# **Digital Caliper MarCal 16 EWR**



MarCal







REFERENCE

## **Features**

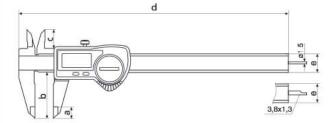
#### **Functions:**

ON/OFF RESET (Set display to zero) mm/inch Reference-Lock/Unlock 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
- 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 Liquid Crystal Display 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**

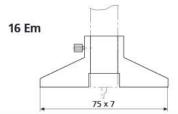
Measu	-	Resolution	Error limit G	Dept	h rod	Friction wheel	Order no.
mm	(inch)	mm / inch	mm	015	T		
150	(6")	0.01/.0005"	0.03	•			4103060
150	(6")	0.01 / .0005"	0.03		•		4103062
150	(6")	0.01/.0005"	0.03	•		•	4103061
150	(6")	0.01/.0005"	0.03		•	•	4103063



<b>Dimens</b>	ions				
mm	a	b	C	d	е
150	10	40	16	235	16 x 3
200	10	50	19	285	16 x 3.5
300	14	64	19	388	16 x 4

## Accessories

		Order no.
<b>Depth Measuring Bridge</b> <b>Battery</b> 3V, Type CR 2032	16 Em	4102020 4102520



# MarCal - The innovative Reference-System

### Just set once to zero

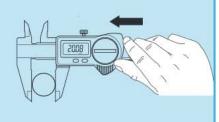
All Mahr digital calipers with this logo **REFERENCE** are equipped with the innovative Reference-System. The zero position just has to be set once: after setting the zero position, the zero remains stored for all further measurements. Therefore, once the caliper is switched ON or the slide is moved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



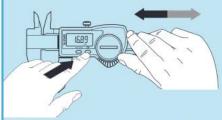




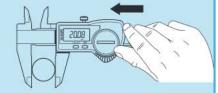
## REFERENCE - System

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".