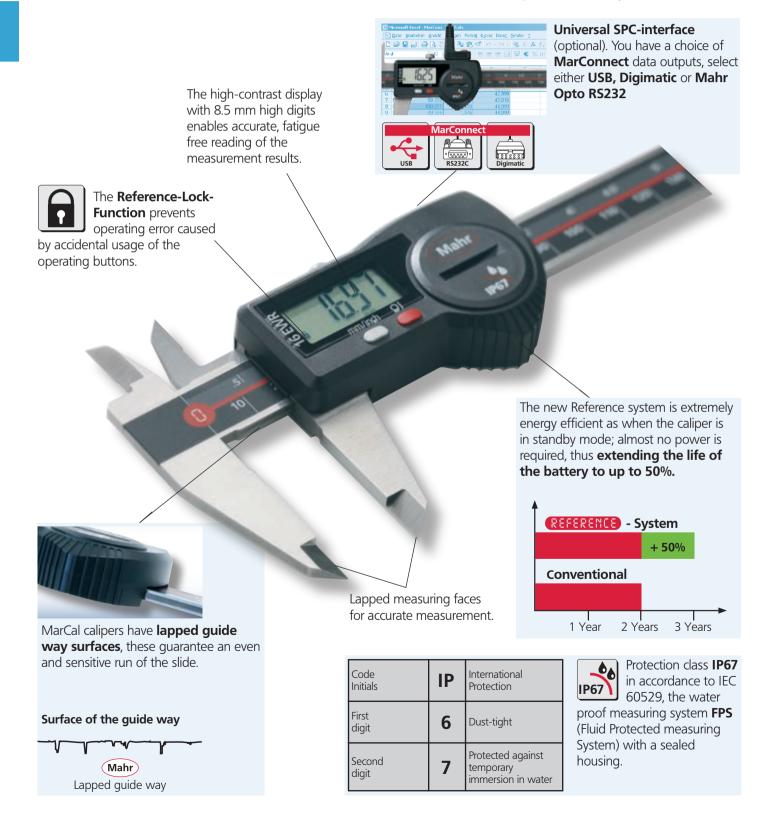
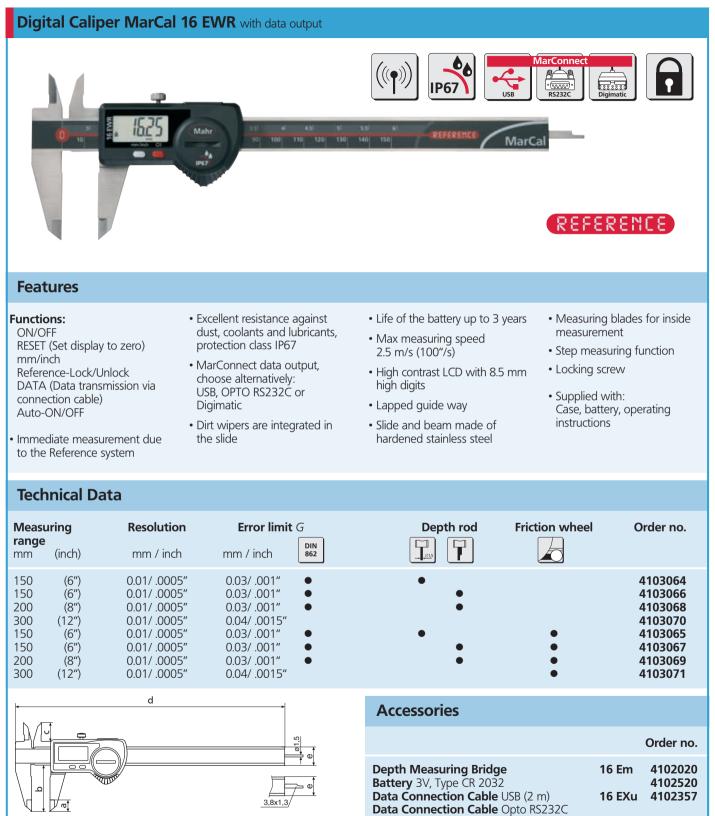
Mahr 1-4 **•** | MarCal. Calipers

# **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.



Mahr 1-6 MarCal. Calipers



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

### Accessories for Data Processing see Chapter 11

Data Connection Cable Digimatic (2 m),

16 EXr

16 EXd

4102410

4102411

(2 m), with SUB-D jack 9-pin

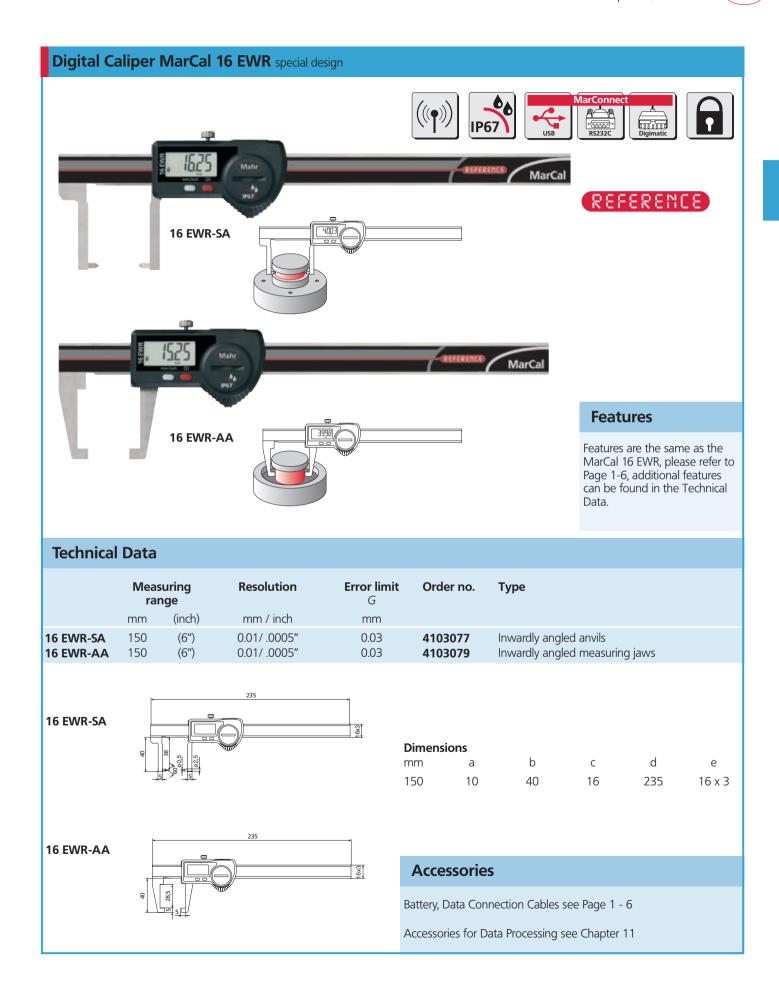
Flat plug 10-pin

......

MarCal. Calipers |

Mahr

1-17



MarCal. Calipers

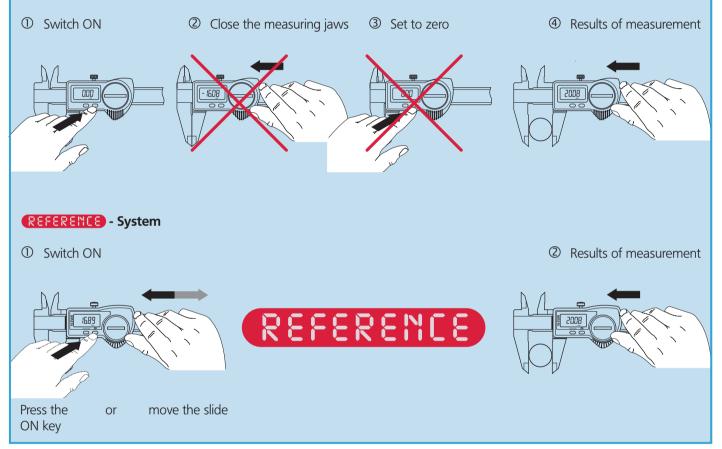
1-3 (Mahr)

# 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



# **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 $< 15^{\circ}$		
	3	Particles > 2.5 mm	3	Spray water < 60°		
	4	Particles > 1.0 mm	4	Water splashing from all directions		Example:
	5	Dust protected	5	Water jets from all directions		IP67 means that
	6	Dust tight	6	Powerful water jets		the product is "Dust tight" and is
			7	Temporary immersion in water	IP67	protected against
			8	Continuous immersion in water		"Temporary immersion in water".

#### ample: 7 means that product is ist tight" and is