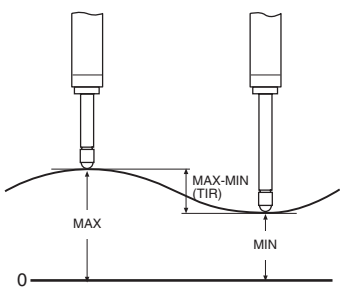


MarCator 1087 Ri

Digital Indicator with Integrated Wireless and Dynamic Measuring Functions

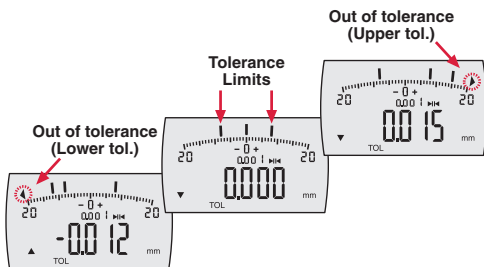
Dynamic Measuring Functions

- **MAX-MIN** function ideal for testing flatness and concentricity
- **MAX** and / or **MIN** for searching the reversal point



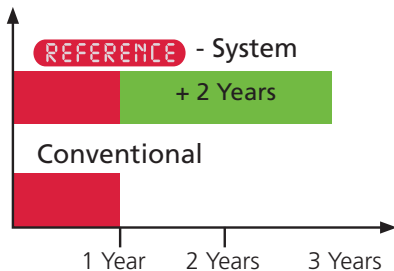
Clear Tolerance Display

The integrated bar graph visualizes the tolerance deviation. Out of tolerance, above the upper or below the lower tolerance limit, is represented by arrows shown in the display.



3 Year Battery Life

The new Reference System is just as energy efficient as when the caliper is in standby mode; almost no power is required, therefore extending the life of the battery up to 3 years*.



* When Integrated Wireless is deactivated

Universal Data Interface



Integrated Wireless

The wireless interface for the price of a cable.



USB

No interface box required; a simple and inexpensive way to set up multiple measuring instruments via a USB hub.



Digimatic

To connect a Digimatic compatible evaluation instrument.



Mahr Opto RS232C

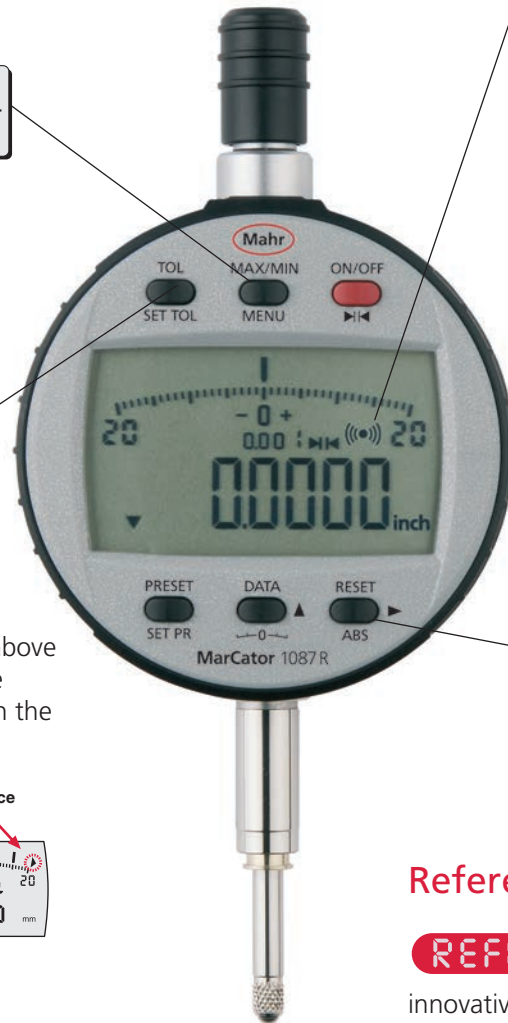
For direct connection to a COM port on a PC.



ABS

Absolute Function:

Micrometer can be set in any position to 0,000 mm / 0.0000 in without losing reference to the preset value.



Reference System

REFERENCE The new digital indicators 1087 Ri are equipped with the innovative Reference System. The zero position only has to be set one time: once it is set, the zero remains stored for all further measurements. Therefore, when the indicator is switched ON, or the measuring spindle is moved, the indicator is immediately ready for measurement, eliminating the need to reset as with a conventional indicator.

Error-free Operation

Lock Function: Prevents unintentional



activation of an operating button. Either all the operating buttons or only certain individual buttons can be locked. If a locked operating button is pressed, the LOCK symbol will appear in the display.

MarCator 1087 Ri | Digital Indicator

Functions

- 0 (set the analog display to zero)
- ABS (display can be set to zero without losing reference to preset)
- AUTO-ON / OFF
- DATA (data transmission via connection cable)
- Factor (adjustable)
- LOCK (individual button lock)
- MAX/MIN memory for searching the reversal point
- ON/OFF
- PRESET (for entering a numerical value)
- RANGE (switch the measuring range and resolution)
- RESET (set display to zero)
- TIR (MAX-MIN) for testing flatness and concentricity
- TOL (enter tolerance limit values)
- Reversal of counting direction
- mm/in
- Integrated Wireless transmitter
- High contrast LCD display
- Operating and display unit (bezel) can be rotated through 280°
- Lifter protection cap on the measuring spindle
- Hardened stainless steel clamping shaft and measuring pin
- Immediate measurements due to the Reference System
- MarCom Professional Software free download:
www.mahr.com/marcom (only for Mahr data cables and wireless systems with USB and RS232C interface)
- **Digit Height:** 8,5 mm
- **Data Interface:** Digimatic, Opto RS232C, USB, Integrated Wireless
- **Energy Supply:** Battery operation
- **IP Protection Category:** IP 42
- **Package Contains:** Instruction Manual, Battery



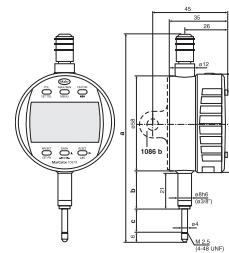
REFERENCE



Technical Data

Order No.	4337663	4337665	4337667
Product Type	1087 Ri		
Measuring Range	12,5 mm / 0.5 in	25 mm / 1 in	50 mm / 2 in
Resolution	0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in		
Readings	0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm, 0,02 mm, 0,05 mm		
Range of Analog Display	± 0,01 mm, ± 0,02 mm, ± 0,04 mm, ± 0,1 mm, ± 0,2 mm		
Error Limit	0,004 mm		0,007 mm
Error Limit Over 50 Graduations	0,002 mm		
Repeatability	0,001 mm		
Measuring Force	0,65 - 0,85 N	0,65 - 0,9 N	1,25 - 2,7 N
Standard	Factory standard		
Lifting Protection Cap	•		

Order No.	a	b	c	Mounting Shaft
4337663	126,3 mm	23 mm	13,5 mm	8 mm
4337665	153,4 mm	26,8 mm	26,5 mm	8 mm
4337667	267,3 mm	40 mm	52 mm	8 mm



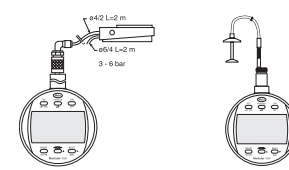
Accessories

Order No.	Product Description	Product Type
4884464	Battery 3 V, Type CR 2450	
4102357	Data connection cable USB (2 m) including MarCom Standard Software	16 EXu
4102915	Digimatic data cable (2 m)	16 EWd
4102411	Digimatic data cable (2 m)	16 EXd
4102410	Data connection cable RS232C (2 m)	16 EXr
4102220	Receiver including MarCom Standard Software	i-Stick
4375004	Protective cap for 1075 R / 1086 R / 1087 R	1086 s
4337421	Lug back	1086 b
4336237	Pneumatic lifting (12,5 + 25 mm)	1082 p
4336311	Cable release (12,5 + 25 mm)	1085 a
4310103	Adapter bush (.375" / 8 mm)	940
4336230	Pneumatic lifting (50 + 100 mm)	1082 p



i-Stick

1082 p



1082 p

1085 a