

MarCator 1087 R / 1087 ZR

Digital Indicator



FUNCTIONS

- ON/OFF
- RESET (set display to zero)
- mm/inch
- Reversal of counting direction
- PRESET (for entering a numerical value)
- TOL (enter tolerance limit values)
- MAX/MIN memory for searching the reversal point
- TIR (MAX-MIN) for testing flatness and concentricity
- ABS (display can be set to zero without losing reference to preset)
- DATA (data transmission via connection cable)
- Factor (adjustable)
- LOCK (individual key lock)



Application:

Comprehensive measuring functions for:

- **Static measurements** such as lengths, distances and length differences
- **Dynamic measurements** such as radial runout, straightness and flatness via MAX / MIN / MAX-MIN functions

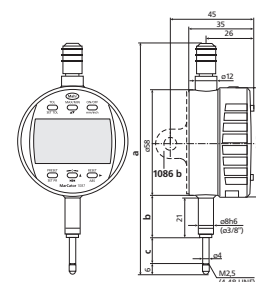
FEATURES

- High contrast LCD
- Operating and display unit (bezel) can be rotated through 280°
- Immediate measurements due to the Reference System
- Lifter protection cap on the measuring spindle
- Mounting shank and measuring spindle are both made of hardened stainless steel
- **Digit height:** 8.5 mm
- **Data interface:** Opto RS232C, Digimatic, USB
- **Energy supply:** Battery life approx. 3 years
- **IP protection category:** IP 42
- **Package contains:** instruction manual, battery

TECHNICAL DATA

Order no.	4337660	4337661	4337666	4337670	4337671	
Product type	1087 R			1087 ZR		
Measuring span	mm	12.5	25	50	12.5	25
Measuring span	inch	.5"	1"	2"	.5"	1"
Resolution	mm	0.0005, 0.001, 0.002, 0.005, 0.01				
Resolution	inch	.00002", .00005", .0001", .0002", .0005"				
Graduation values	mm	0.0005, 0.001, 0.002, 0.005, 0.01				
Range of analog display	mm	± 0.01, ± 0.02, ± 0.04, ± 0.1, ± 0.2				
Error limit	mm	0.004		0.007		0.004
Error limit over 50 graduations	mm	0.002				
Repeatability	mm	0.001				
Measuring force	N	0.65 - 0.9	0.65 - 1.15	1.25 - 2.7	0.65 - 0.9	0.65 - 1.15
Standard	Factory standard					
Lifting protection cap	•					

Order no.	a	b	c	Mounting shaft	Mounting shaft
	mm	mm	mm	mm	inch
4337660	126.3	23	13.5	8	
4337661	153.4	26.8	26.5	8	
4337666	267.3	40	52	8	
4337670	126.3	23	13.5		.375"
4337671	153.4	26.8	26.5		.375"



ACCESSORIES

Order no.	Product name	Product type
2246308	Adjustable back	
2254939	Screw back	
2255653	Rack back	
2255778	Adjustable back for 75B	
2255936	Post back	
4102357	16 EXu Data connection cable USB (2 m)	16 EXu
4102915	Digimatic data cable (2 m)	16 EWd
4102410	Data connection cable RS232C (2 m)	16 EXr
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
4884464	Battery 3 V, type CR 2450	
4336230	Pneumatic lifting (50 + 100 mm)	1082 p

