MarCator 1087 Ri

Digital Indicator

Digimatic | ABS | MAX/MIN | TOL | IP 42 | REF system

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 key 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)
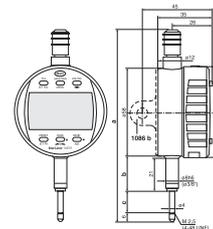- Reversal of counting direction
- mm/inch

FEATURES

- Integrated wireless transmitter
- High-contrast LCD display
- Operating and display unit (bezel) can be rotated through 280°
- Lifter protection cap on the measuring spindle
- Clamping shaft and measuring pin made of hardened stainless steel
- Immediate measurements due to the Reference System
- **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

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

TECHNICAL DATA

Order no.		4337663	4337665	4337667
Product type			1087 Ri	
Measuring span	mm	12.5	25	50
Measuring span	inch	.5"	1"	2"
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
Error limit over 50 graduations	mm	0.002		
Repeatability	mm	0.001		
Measuring force	N	0.65 –0.85	0.65 –0.9	1.25 –2.7
Standard		Factory standard		
Lifting protection cap		•		

Order no.	a	b	c	Mounting shaft
	mm	mm	mm	mm
4337663	126.3	23	13.5	8
4337665	153.4	26.8	26.5	8
4337667	267.3	40	52	8

ACCESSORIES

Order no.	Product name	Product type
2246308	Adjustable back	
2254939	Screw back	
2255653	Rack back	
2255778	Adjustable back for 75B	
2255936	Post back	
4102220	Receiver for instruments with integrated wireless	i-Stick
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

1082 p

1085 a

1082 p