# MarCator 1087 BRi

## Digital Indicator

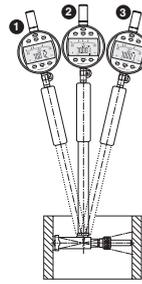| Digimatic | ⟷USB | ABS | MAX / MIN | TOL | 🔒 | IP 42 | REF system |

## FUNCTIONS

- ON/OFF
- RESET (set display to zero)
- mm/inch
- PRESET (enter anumerical value) from range 500 mm
- Reversal of counting direction
- TOL (enter tolerance limit values)
- START/STOP search for reversal point
- MAX/MIN memory for searching the reversal point
- ABS (display can be set to zero without losing reference to preset)
- 0 (set the analog display to zero)
- DATA (data transmission via connection cable)
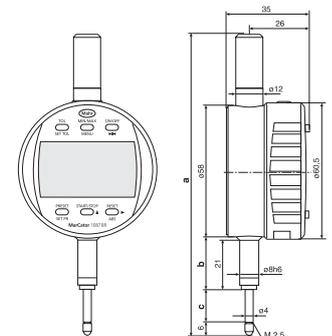- Factor (adjustable)
- LOCK (individual key lock)

## 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:** Opto RS232C, Digimatic, USB, Integrated wireless
- **Energy supply:** Battery life approx. 3 years
- **IP protection category:** IP 42
- **Package contains:** instruction manual, battery

**Application:**

- In measurements with a 2-point bore gage the reversing point can be calculated automatically during oscillation. Then a PRESET value can be assigned.
- The ACTUAL value measured is saved by the MIN or MAX function and is shown on the display.
- The 1087 BRi model can process 64 measured values per second, for fast measuring movements combined with measuring certainty.

## TECHNICAL DATA

| Order no. | | 4337664 |
|---|---|---|
| Product type | | 1087 BRi |
| Measuring span | mm | 12.5 |
| Measuring span | inch | .5" |
| 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 |
| Error limit over 50 graduations | mm | 0.002 |
| Repeatability | mm | 0.001 |
| Measuring force | N | 0.65 –0.9 |
| Standard | | Factory standard |
| Protective measuring spindle cap | | • |

| Order no. | a | b | c | Mounting shaft |
|---|---|---|---|---|
| | mm | mm | mm | mm |
| 4337664 | 126.3 | 23 | 13.5 | 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 |
| 4310103 | Adapter bush (.375" / 8 mm) | 940 |
| 4884464 | Battery 3 V, type CR 2450 | |