**MarCator 1087 Ri**

The new Digital Indicator **MarCator** 1087 Ri. The multi-functional Digital Indicator with a combined analog and digital display as well as tolerance 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

**Universal Data-Interface**

- **Integrated Wireless**
  - The wireless interface for the price of a data cable
- **USB**
  - No interface box is required!
  - Simple and inexpensive way to set up a 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

**Clear display**

**Tolerance indication**

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.

**Just set once to zero**

*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; thus the need to reset as with a conventional indicator is now obsolete.*

**Battery service life is 3 years**

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

*When Integrated Wireless is deactivated

**Error free operation**

**Lock function:** This 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 "LOC" symbol will appear in the display.
Digital Indicators MarCator 1087 Ri with analog display

Features

Functions:
- ON/OFF
- RESET (Set display to zero) mm/inch
- Reverse the counting direction
- PRESET (Allows the entry of any value using set buttons)
- TOL (Enter tolerance limit values)
- Tolerance band max. 1.6 mm
- MAX/MIN memory, ideal for searching the reversal point
- TIR (MAX-MIN) ideal for testing concentricity and flatness
- ABS (Display can be set to zero, without losing the reference to the Preset value)
- DATA (when connected with a data connection cable)
- Factor (adjustable)
- Immediate measurement due to the Reference system
- Individual buttons can be locked - Lock Function
- Operating and display unit (bezel) can be rotated 280°
- High contrast LCD with 8.5 mm high digits
- Operating time approx. 3 years (2000 work. hrs/year)
- Maximum measuring speed 1.5 m/s (60”/s)
- MarConnect data output: choose either USB
- OPTO RS232C
- Digimatic
- Integrated Wireless
- Operating temperature 10 - 40°C
- Class of protection IP42 in accordance to IEC 60529

Techical Data

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Resolution</th>
<th>Span of error*</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm (inch)</td>
<td>mm / inch</td>
<td>mm</td>
</tr>
<tr>
<td>12.5 (0.5&quot;)</td>
<td>0.001 / .00005&quot;</td>
<td>0.005</td>
</tr>
</tbody>
</table>

* in any zero point

Battery, Operating instructions

 Analog display

<table>
<thead>
<tr>
<th>Readings</th>
<th>Display range</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm / inch</td>
<td>mm / inch</td>
</tr>
<tr>
<td>0.001 / .00005</td>
<td>± 0.02 / ± .001</td>
</tr>
<tr>
<td>0.002 / .0001</td>
<td>± 0.04 / ± .002</td>
</tr>
<tr>
<td>0.004 / .0005</td>
<td>± 0.08 / ± .01</td>
</tr>
<tr>
<td>0.01 / .001</td>
<td>± 0.2 / ± .02</td>
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