Touch Probe TC52

- Workpiece Measurement
- Infrared Transmission
- Multidirectional
- Wear-free Measuring Mechanism
- Single & Mass Production
- Contour Measurement
- Axes Compensation
TC52 | Touch Probe | Tactile workpiece measuring system with infrared transmission

For small machining centres – compact touch probe with multidirectional measuring mechanism

- Detection of workpiece position
- Correction of workpiece orientation
- Thermal compensation of the machine tool
- Contour measurement

Your benefit:
- Measuring speed up to 2 m/min
- Precise non-laboring touch characteristics
- No-wear, optoelectronic measuring mechanism
- Use of two measuring systems with one IR receiver
- Extended battery life
- Precise measurement even with coolant
- Proven and robust design

DUO-Mode
Sequential use of two measuring systems with one infrared receiver.

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection class</td>
<td>IP68</td>
</tr>
<tr>
<td>Approach direction</td>
<td>±X, ±Y, -Z</td>
</tr>
<tr>
<td>Measuring force in XY</td>
<td>Z</td>
</tr>
<tr>
<td>Max. deflection in XY</td>
<td>Z</td>
</tr>
<tr>
<td>Max. acceleration</td>
<td>50 m/s²</td>
</tr>
<tr>
<td>Repeatability</td>
<td>0.3 μm 2σ</td>
</tr>
<tr>
<td>Max. probing speed</td>
<td>2 m/min</td>
</tr>
<tr>
<td>Mass</td>
<td>250 g</td>
</tr>
<tr>
<td>Signal transmission</td>
<td>Range</td>
</tr>
<tr>
<td>Battery (2 pieces)</td>
<td>Saft Lithium LS14250 (½ AA, 3.6 V) 1200 mAh</td>
</tr>
<tr>
<td>Tool holder</td>
<td>BTH 25 (HSK, SK, BT, VDI, ...)</td>
</tr>
</tbody>
</table>

* Stylus L = 30 mm | LF: Low Force

Modern and precise measuring mechanism with optoelectronic signal generation

Fast workpiece measurement

Non-laboring touch characteristics

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Production Metrology Made in Germany

TC52 – for small machining centres