Touch Probe **TC53-10**

**Workpiece Measurement**

- Infrared Transmission
- *shark*360 Technology
- Wear-free Measuring Mechanism
- Modular System

**Single & Mass Production**

- Axes Compensation
- Pulling Measurement

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**Touch Probe TC53-10**
Technical data

Protection class | IP68
Approach direction | ±X, ±Y, ±Z
Measuring force in XY | Z | 1.3 N | 5.9 N (LF 0.4 N | 2.0 N *)
Max. deflection in XY | Z | ±15° | 5 mm
Max. acceleration | 50 m/s² **
Repeatability | 0.4 μm 2σ
Max. probing speed | 2 m/min
Mass | 305 g (Without accessories, e.g. extension, angle)
Signal transmission | Range | Infrared | ±60° in Z, 360° in X/Y
Battery (2 pieces) | Saft Lithium LS14250, (½ AA, 3.6 V) 1200 mAh
Tool holder | BTH 25 (HSK, SK, BT, VDI, ...)

* Stylus L = 30 mm | LF: Low Force
** With accessories (e.g. extension, angle): max. acceleration 10 m/s²

Your benefit:

- Special measuring tasks with a wide range of accessories
- Pulling measurements
- Thermal compensation of the machine tool

Your benefit:

- Customized adoptions are easily developed
- Superior precision due to patented shark360 measuring mechanism
- 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.