Touch Probe TC53-30

- Workpiece Measurement
- Infrared Transmission
- shark360 Technology
- Wear-free Measuring Mechanism
- Modular System
- Single & Mass Production
- Axes Compensation
- Pulling Measurement

BLUM
focus on productivity
**TC53-30 | Touch Probe | Tactile workpiece measuring system with infrared transmission**

**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**: 790 g (Without accessories, e.g. extension, angle)
- **Signal transmission | Range**: Infrared | -50 ... +70° in Z, 360° in X/Y
- **Battery (2 pieces)**: Saft Lithium LS14500 (AA, 3.6 V) 2600 mAh
- **Tool holder**: BTH 50 (HSK, SK, BT, VDI, ...)

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

**Your benefit:**
- Customized adaptations 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.

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**Touch probe for special applications - modular system with reinforced design and revolutionary shark360 measuring mechanism**

- Special measuring tasks with custom extensions
- Pulling measurements
- Thermal compensation of the machine tool

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**Mass production of gearbox housings**

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**Various accessories available**

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**shark360 measuring mechanism**

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**Workpiece measurement on turn-mill machine**

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