Touch Probe **TC63-30**

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

**Description**
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**Brand**
- **BLUM**
- **focus on productivity**
TC63-30 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

Modular system with reinforced design, latest BRC radio transmission technology and revolutionary shark360 measuring mechanism

- Perfect for large machines where line of sight between probe and receiver is blocked or intermittent
- Special measuring tasks with custom extensions
- 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
- Extended battery life
- Precise measurement even with coolant
- Proven and robust design

BRC Radio Technology

Sequential use of up to 6 measuring systems with one radio receiver.

Technical data

| Protection class | IP68 |
| Approach direction | ±X, ±Y, ±Z |
| Measuring force in XY | Z | 1.3 N * / 0.4 N * (LF) * | 5.9 N * / 2.0 N * (LF) |
| 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 | Radio (BRC Technology) |
| Frequency band | 2.4000 ... 2.4835 GHz |
| Transmission power | 0 dBm |
| Operating range | 15 m |
| 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