



TC63-30 Touch Probe



Workpiece Measurement



Radio Transmission



shark360 Technology



Wear-Free Measuring Mechanism



Modular System



Single & Mass Production



Axes Compensation



Pulling Measurement

Touch Probe **TC63-30**

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

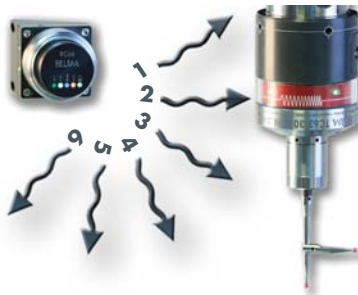
- Perfect for large machines where line of sight between probe and receiver is blocked or intermittent
- Special measuring tasks with extreme extensions
- Pulling measurements
- Thermal compensation of the machine tool

Your benefit:

- Customized adaptations 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 6 measuring systems with one radio receiver.

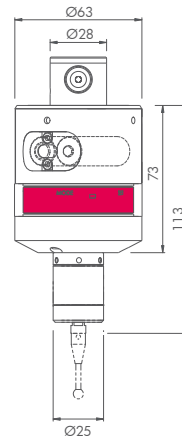


Technical data

| | |
|-------------------------------|--|
| Protection class | IP68 |
| Approach directions | $\pm X, \pm Y, \pm Z$ |
| Measuring force in XY Z | 1,3 N* / 0,4 N* (LF) 5,9 N* / 2,0 N* (LF) |
| Max. deflection XY Z | $\pm 15^\circ$ 5 mm |
| Max. acceleration | 50 m/s ² ** |
| Repeatability | 0,4 μm 2 σ |
| 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 LS 14500 (AA, 3,6V) 2600 mAh |
| Tool holder | BTH 50 (HDK, SK, BT, VDI, ...) |
| Storage/Operating temperature | -20 °C ... +70 °C +5 °C ... +50 °C |

* Stylus L= 30 mm LF: Low Force

** With accessories (e.g. extension, angle): max. acceleration 10 m/s²



Custom-specific solution



Mass production of gearbox housings



Various accessories available



shark360

shark360 measuring mechanism

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