



## TC63-10 Touch Probe



Workpiece Measurement



Radio Transmission



shark360 Technology



Wear-free Measuring Mechanism



Modular System



Single & Mass Production



Axes Compensation



Pulling Measurement

# Touch Probe TC63-10

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# TC63-10 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

## Modular and compact – touch probe for custom measuring tasks with revolutionary shark360 measuring mechanism

- Special measuring tasks with a wide range of accessories
- Pulling measurements
- Thermal compensation of the machine tool
- Perfect where line of sight between probe and receiver is blocked or intermittent

### Your benefit:

- Customized adaptations are easily developed
- Superior precision due to patented **shark360** measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- 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.

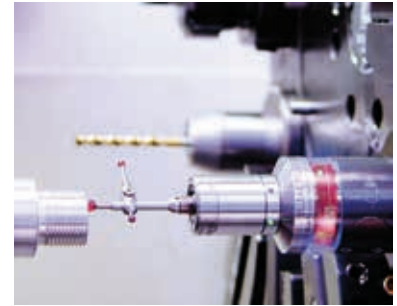
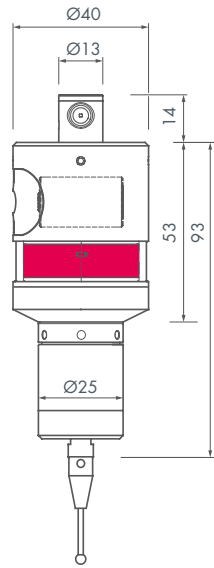


### Technical data

Protection class	IP68
Approach direction	±X, ±Y, ±Z
Measuring force in XY   Z	1.3 N   5.5 N (LF 0.4 N *   2.0 N *)
Max. deflection in XY   Z	±15°   5 mm
Max. acceleration	50 m/s <sup>2</sup> **
Repeatability	0.4 µm 2σ
Max. probing speed	2 m/min
Mass	305 g (Without accessories, e.g. extension, angle)
Signal transmission	Radio (BRC Technology)
Frequency band	2.4000 ... 2.4835 GHz
Transmission power   Operating range	0 dBm   15 m
Battery (2 pieces)	Saft Lithium LS14250, (1/2 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/s<sup>2</sup>



Workpiece measurement on turning machine



Fast workpiece measurement in rotary transfer machine



Various accessories available



shark360 measuring mechanism

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