



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

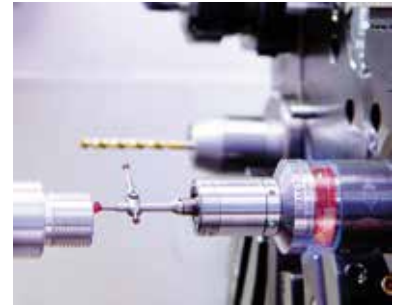
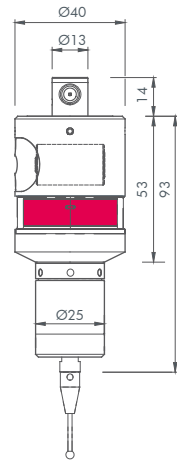
- Special measuring tasks with a wide range of accessories
- Pulling measurements
- Thermal compensation of the machine tool
- Perfect where line of sight between probe and receiver is blocked or intermittent

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
- Compact and robust design

BRC Radio Technology

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



Workpiece measurement on turning machine



Fast workpiece measurement in rotary transfer machine

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 XY Z	± 15° 5 mm
Max. acceleration	50 m/s ² **
Repeatability	0,4 µm 2σ
Max. probing speed	2 m/min
Mass	305 g (ohne Zubehör wie z. B. Verlängerung, Winkel)
Signal transmission	Radio (BRC Technology)
Frequency band	2,4000 – 2,4835 GHz
Transmission power	0 dBm
Battery (2 pieces)	Saft Lithium LS14250, (½ AA, 3,6 V) 1200 mAh
Tool holder	BTH 25 (HSK, 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



Various accessories available



shark360
shark360 measuring mechanism

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