



TC63-20 3D Tool Setting Probe



Tool Measurement



Radio Transmission



shark360 Technology



Wear-free Measuring Mechanism



Modular System



Tool Breakage Detection



Tool Length Measurement



Tool Radius Measurement



Axes Compensation



3D Tool Setting Probe TC63-20

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TC63-20 | 3D Tool Setting Probe | Tactile tool setting system with BRC radio transmission

Extremely precise & modular radio probe – customizable system with revolutionary shark360 measuring mechanism

- Tool breakage detection
- Tool length measurement
- Tool radius measurement
- Axes compensation
- 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
- No subsequent damage due to tool breakage
- Fast ROI
- No-wear, optoelectronic measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Extended battery life
- Compact and robust design

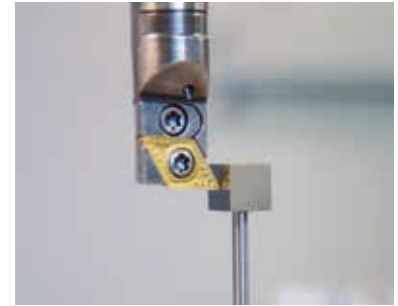
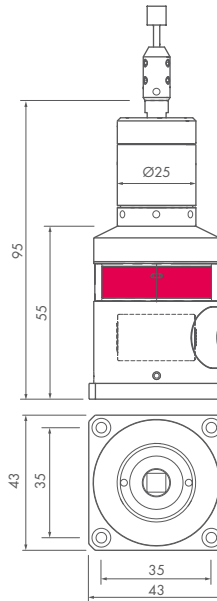
BRC Radio Technology

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

Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, -Z$
Measuring force in XY Z	1.3 N 5.9 N
Max. deflection in XY Z	$\pm 15^\circ$ 5 mm
Repeatability	0.4 μm 2σ
Max. probing speed	2 m/min
Min. tool diameter	1 mm *
Mass	325 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

* Depending on geometry and material of tool. Probing force must not result in damage of tool



Measurement of turning tool



Tool length measurement



Various accessories available



shark360 measuring mechanism



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