



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



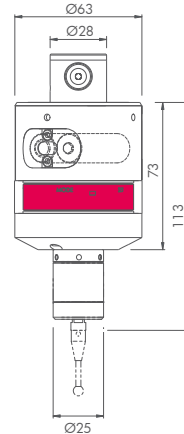
TC63-30 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

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



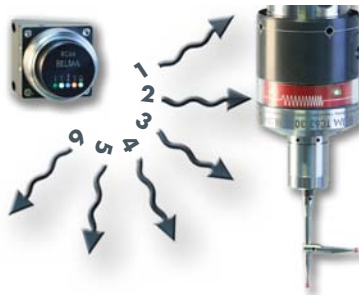
Custom-specific solution



Mass production of gearbox housings

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



Various accessories available



shark360 measuring mechanism



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