



TC64-10 Touch Probe



Workpiece Measurement



Tool Measurement



Radio Transmission



shark360 Technology



Wear-free Measuring Mechanism



Single & Mass Production



Axes Compensation



Pulling Measurement



Tool Length Measurement



Tool Radius Measurement



Tool Breakage Detection

Touch Probe TC64-10

BLUM
focus on productivity



TC64-10 | Touch Probe | Tactile workpiece & tool measuring system with BRC radio transmission

Compact radio touch probe with revolutionary shark360 measuring mechanism

- Workpiece measurement and tool setting in turning and milling machines
- Perfect for 5-axis machines where line of sight between probe and receiver is blocked or intermittent
- Application in turret
- Pulling measurements

Your benefit:

- Measuring speed up to 2 m/min
- Superior precision due to patented **shark360** measuring mechanism
- 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
- Shortened design
- Precise measurement even with coolant
- Proven and robust design

BRC Radio Technology

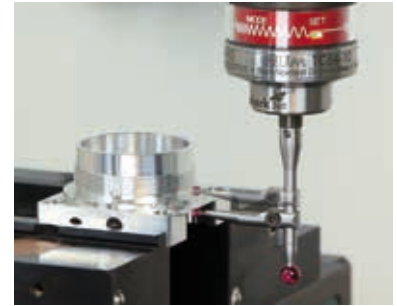
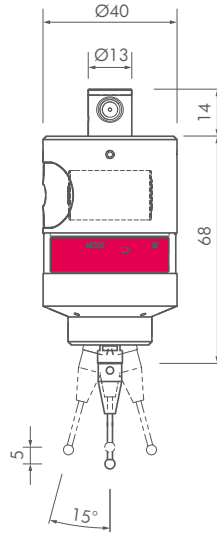
Sequential use of up to 6 measuring systems with one radio receiver.



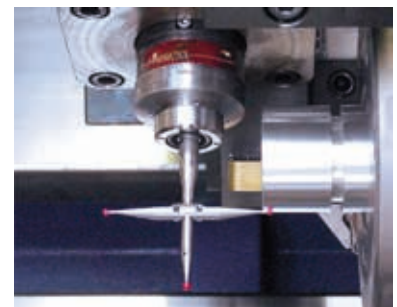
Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, \pm Z$
Measuring force in XY Z	1.3 N/0.9 N/0.7 N/0.5 N * 5.9 N
Measuring force (LF) in XY Z	0.4 N/0.3 N/0.2 N/0.17 N * 2.0 N
Max. deflection in XY Z	$\pm 15^\circ$ 5 mm
Max. probing speed	2 m/min
Repeatability	0.4 μm 2σ
Max. acceleration	50 m/s ²
Mass	230 g
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, ...)

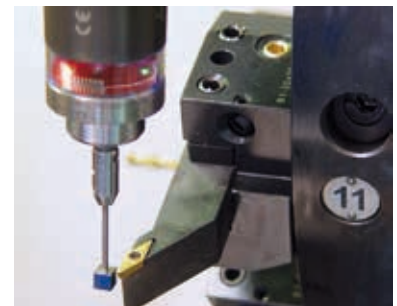
* Stylus L = 30 mm/50 mm/75 mm/100 mm LF: Low Force



Pulling and pushing measurement



Workpiece measurement in turning machine



Tool measurement in turning machine



shark360 measuring mechanism



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