



TC62 Touch Probe



Workpiece Measurement



Radio Transmission



Multidirectional



Wear-free Measuring Mechanism



Single & Mass Production



Contour Measurement



Axes Compensation

Touch Probe **TC62**

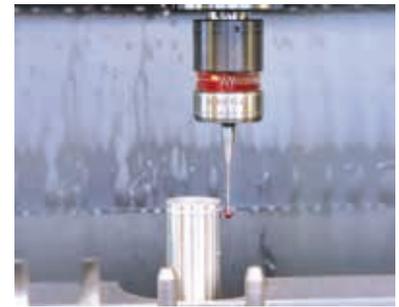
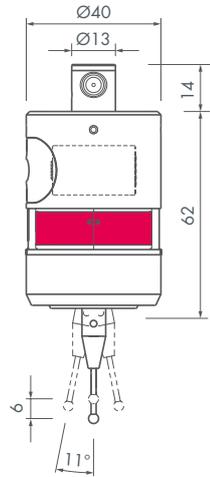
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TC62 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

For small machining centres – compact radio touch probe with multidirectional measuring mechanism

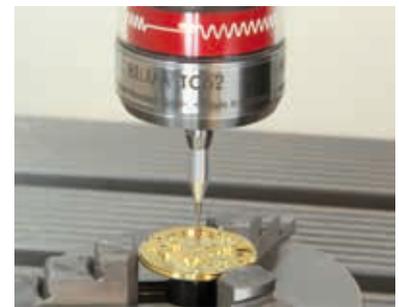
- Perfect for 5-axis machines where line of sight between probe and receiver is blocked or intermittent
- Detection of workpiece position
- Correction of workpiece orientation
- Thermal compensation of the machine tool
- Contour measurement



Fast workpiece measurement

Your benefit:

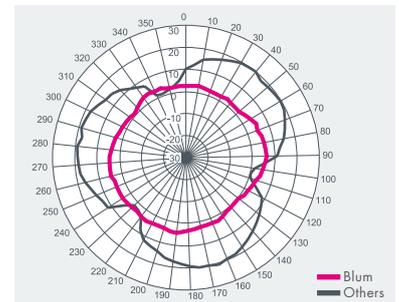
- Measuring speed up to 2 m/min
- Precise non-lobing touch characteristics
- No-wear, optoelectronic measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Extended battery life
- Precise measurement even with coolant
- Proven and robust design



TC62 – for small machining centres

BRC Radio Technology

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

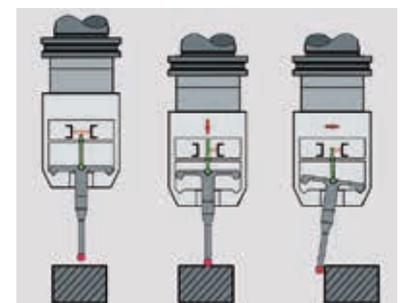


Non-lobing touch characteristics

Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, \pm Z$
Measuring force in XY Z	2.3 N/0.65 N (LF) * 5.7 N/1.6 N (LF) *
Max. deflection in XY Z	$\pm 11^\circ$ 6 mm
Max. acceleration	50 m/s ²
Repeatability	0.3 μm 2 σ
Max. probing speed	2 m/min
Mass	250 g
Signal transmission	Radio (BRC Technology)
Frequency band	2.4000 ... 2.4835 GHz
Transmission power	0 dBm
Operating range	15 m
Battery (2 pieces)	Soft Lithium LS14250 (1/2 AA, 3.6 V) 1200 mAh
Tool holder	BTH 25 (HSK, SK, BT, VDI, ...)

* Stylus L = 30 mm



Modern and precise measuring mechanism with optoelectronic signal generation

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