Touch Probe TC62

Workpiece Measurement
Radio Transmission
Multidirectional
Wear-free Measuring Mechanism
Single & Mass Production
Contour Measurement
Axes Compensation
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

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

BRC Radio Technology

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

Technical data

- Protection class: IP68
- Approach direction: ±X, ±Y, ±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: ±11° | 6 mm
- Max. acceleration: 50 m/s²
- Repeatability: 0.3 μm 2σ
- 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): Saft Lithium LS14250 (½ AA, 3.6 V) 1200 mAh
- Tool holder: BTH 25 (HSK, SK, BT, VDI, ...)
- * Stylus L = 30 mm

Fast workpiece measurement

TC62 – for small machining centres

Non-lobing touch characteristics

Modern and precise measuring mechanism with optoelectronic signal generation