Touch Probe TC61
TC61 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

**Unique – high dynamic radio-touch probe for fast pulling measurements**

- Mass Production
- Measuring tasks requiring superior precision
- Extremely fast measurements
- Thermal compensation of the machine tool
- Pulling measurement of grooves, recesses and outside width
- Spindle orientation is required

**Your benefit:**

- Measuring speed up to 5 m/min
- Highest acceleration
- Superior precision
- No-wear, optoelectronic measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Highest process reliability
- Extended battery life
- Precise measurement even with coolant
- Proven and robust design

**Technical data**

- Protection class: IP68
- Approach direction: XY *, ±Z
- Measuring force in XY | Z: 1.5 N ** | 4 N
- Max. deflection in XY | ±Z / -Z: 15° * | 3 mm/7 mm
- Trigger point XY *: 0.5 mm/0.8 mm/1.2 mm/1.5 mm ***
- Trigger point Z: 0.8 mm
- Max. acceleration: 100 m/s²
- Repeatability: 0.3 μm 2σ
- Max. probing speed: 5 m/min
- Mass: 920 g
- Signal transmission: Radio (BRC Technology)
- Frequency band: 2.4000 ... 2.4835 GHz
- Transmission power: 0 dBm
- Battery (2 pieces): Saft Lithium LS14500 (AA, 3.6 V) 2600 mAh
- Tool holder: BTH 50 (HSK, SK, BT, VDI, ...)

* Via spindle orientation  ** Stylus L = 50 mm
*** Stylus L = 50 mm/100 mm/150 mm/200 mm

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**Production Metrology Made in Germany**

TC61 – pulling measurement

TC61 – extremely fast and precise

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

Modern and precise measuring mechanism with optoelectronic signal generation