



TC61 Touch Probe



Workpiece Measurement



Radio Transmission



Bidirectional



Wear-free Measuring Mechanism



Mass Production



Axes Compensation



Pulling Measurement



Touch Probe TC61

BLUM
focus on productivity



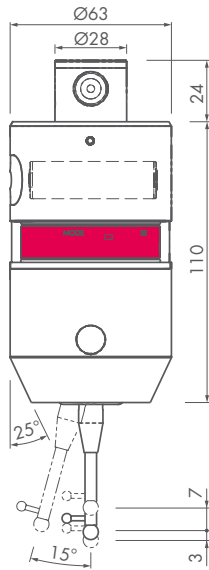
TC61 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

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

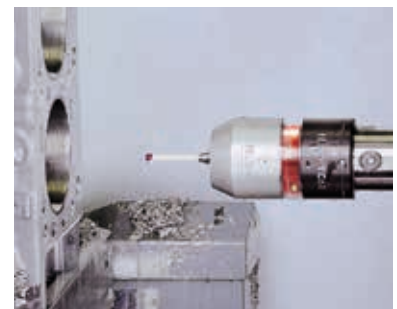
- Mass Production
- Measuring tasks requiring superior precision
- Extremely fast measurements
- Thermal compensation of the machine tool
- Pulling measurement of grooves, recesses and outside width
- Spindle orientation is required

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



TC61 – pulling measurement



TC61 – extremely fast and precise

Technical data

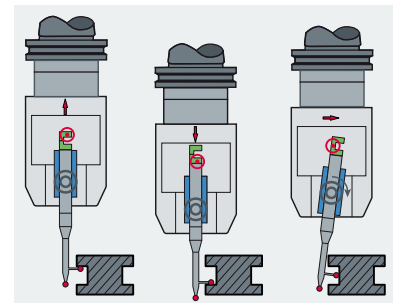
Protection class	IP68
Approach direction	XY *, ±Z
Measuring force in XY Z	1.5 N ** 4 N
Max. deflection in XY +Z / -Z	15° * 3 mm/7 mm
Trigger point XY *	0.5 mm/0.8 mm/1.2 mm/1.5 mm ***
Trigger point Z	0.8 mm
Max. acceleration	100 m/s ²
Repeatability	0.3 µm 2σ
Max. probing speed	5 m/min
Mass	920 g
Signal 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



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



Modern and precise measuring mechanism with optoelectronic signal generation

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