



## TC60 Touch Probe



Workpiece Measurement



Radio Transmission



Multidirectional



Wear-free Measuring Mechanism



Single & Mass Production



Contour Measurement



Axes Compensation

Touch Probe **TC60**

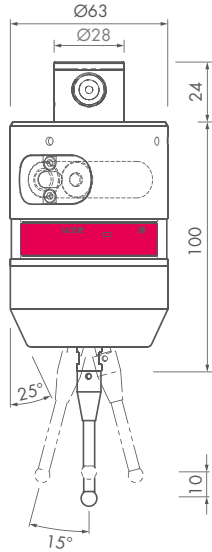
**BLUM**  
focus on productivity



# TC60 | Touch Probe | Tactile workpiece measuring system with BRC radio transmission

## High-Speed touch probe with latest BRC radio transmission technology and multidirectional measuring mechanism

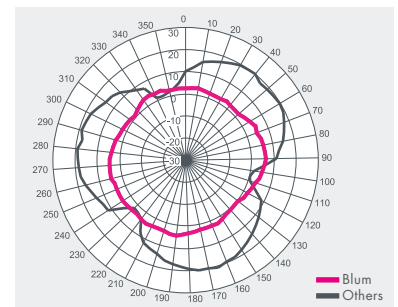
- Perfect for large 5-axis machines where line of sight between probe and receiver is blocked or intermittent
- Detection of workpiece position
- Correction of workpiece orientation
- Thermal compensation of the machine tool
- Contour measurement



BRC-radio system – extremely fast & robust

### Your benefit:

- Measuring speed up to 3 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



Non-lobing touch characteristics

### BRC Radio Technology

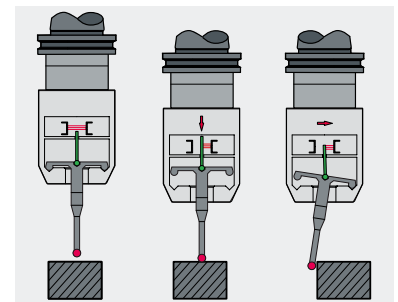
Sequential use of up to 6 measuring systems with one radio receiver.



### Technical data

|                           |                                           |
|---------------------------|-------------------------------------------|
| Protection class          | IP68                                      |
| Approach direction        | ±X, ±Y, -Z                                |
| Measuring force in XY   Z | 2 N *   7 N                               |
| Max. deflection in XY   Z | ±15°   10 mm                              |
| Max. acceleration         | 50 m/s <sup>2</sup>                       |
| Repeatability             | 0.3 μm 2σ                                 |
| Max. probing speed        | 3 m/min                                   |
| Mass                      | 925 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 LS14500 (AA, 3.6 V) 2600 mAh |
| Tool holder               | BTH 50 (HSK, SK, BT, VDI, ...)            |

\* Stylus L = 50 mm



Modern and precise measuring mechanism with optoelectronic signal generation

**BLUM**  
focus on productivity

**Blum worldwide Service & Support**

More than 40 subsidiaries and service offices.

[www.blum-novotest.com](http://www.blum-novotest.com)

**Blum-Novotest Ltd.**

Unit 15 Granary Wharf Business Park  
Wetmore Road, Burton upon Trent  
Staffordshire, DE14 1DU  
United Kingdom

Phone: +44 1283 569691  
Fax: +44 1283 563687  
[info@blum-novotest.co.uk](mailto:info@blum-novotest.co.uk)

**Blum-Novotest, Inc.**

4144 Olympic Boulevard  
Erlanger, KY 41018  
USA

Phone: +1 (859) 344 6789  
Fax: +1 (859) 344 6799  
[solutions@blum-novotest.us](mailto:solutions@blum-novotest.us)