Touch Probe TC76

- Workpiece Measurement
- Tool Measurement
- Hardwired
- shark360 Technology
- Wear-free Measuring Mechanism
- Modular System
- Single & Mass Production
- Axes Compensation
- Pulling Measurement
- Tool Length Measurement
- Tool Radius Measurement
- Tool Breakage Detection
TC76 | Touch Probe | Tactile workpiece & tool measuring system with cable connection

**Technical data**

- **Protection class**: IP68
- **Approach direction**: ±X, ±Y, ±Z
- **Measuring force in XY | Z**: 1.3 N/0.9 N/0.7 N/0.5 N * | 5.9 N
- **Measuring force (LF) in XY | Z**: 0.4 N/0.3 N/0.2 N/0.17 N * | 2.0 N
- **Max. deflection in XY | Z**: ±15° | 5 mm
- **Repeatability**: 0.4 μm 2σ
- **Max. probing speed**: 2 m/min
- **Mass**: 80 g

*Stylus L = 30 mm/50 mm/75 mm/100 mm      LF: Low Force

### Accessories

A full range of TC76 accessories are available, providing optimal solutions for customer-specific applications. Choices include various styli, extensions, angle attachments, adjustable sockets and mounts and pneumatically operated covers.

### Workpiece measurement

- **Turning center**: Workpiece measurement in turning center
- **Grinding center**: Workpiece measurement in grinding center

**shark360 measuring mechanism enables pulling/pushing measurements in Z+/Z-**

**Your benefit:**

- Customized adaptions are easily developed
- Superior precision due to patented shark360 measuring mechanism
- Measuring speed up to 2 m/min
- No-wear, optoelectronic measuring mechanism
- Precise measurement even with coolant
- High process reliability
- Proven and robust design

**Extremely compact, hardwired touch probe with revolutionary shark360 measuring mechanism**

- Workpiece measurement and tool setting in grinding, turning and milling machines
- Pulling measurement with star or offset styli
- Excentric measurements
- Compact machines