Workpiece measurement

- Radio transmission
- Temperature measurement
- Adaptive machining
- Mass production
- Temperature compensation

Temperature Measuring System TG82

TEMPERATURE INFLUENCES UNDER CONTROL

BLUM

focus on productivity

Temperature Measuring System TG82

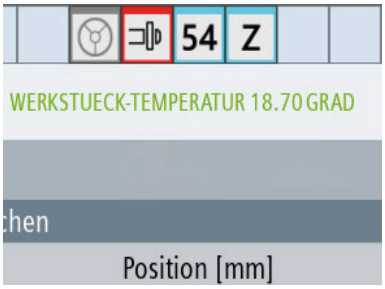
TEMPERATURE INFLUENCES UNDER CONTROL

Machine-integrated workpiece temperature compensation

The temperature measuring device was developed for touch measurement of workpiece temperature. For the measuring process, the TG82 is loaded into the tool spindle and the measured workpiece temperature is transmitted wirelessly to the control.

- Determination of the workpiece temperature for automated machining
- Compensation of temperature changes e.g. due to dry processing, ambient temperatures, etc.
- Software solutions available for Siemens and Fanuc controls

TG82 – is loaded into the tool spindle like a touch probe



TG82: The temperature is read directly from the control screen

Your benefit:

- Quick measured value recording in 4 seconds (DIGILOG mode)
- High precision in the machining of workpieces with fluctuating entry temperatures
- Enables scaled, temperature-controlled machining
- High part accuracy even under changing temperature conditions

Reliable and proven transmission technologies

The TG82 works with the pioneering BRC radio technology:

- Extremely fast and reliable transmission
- Sequential control of a large number of radio measuring systems with one receiver

System overview

Technical data	TG82
Size	Ø 63 mm
Transmission type	Radio
Measuring range	-5 °C to +80 °C
Resolution	0.1 K