



TG81 Temperature Measuring System



Workpiece Measurement



Radio Transmission



Modular System



Temperature Measurement



Mass Production



Temperature Measuring System TG81



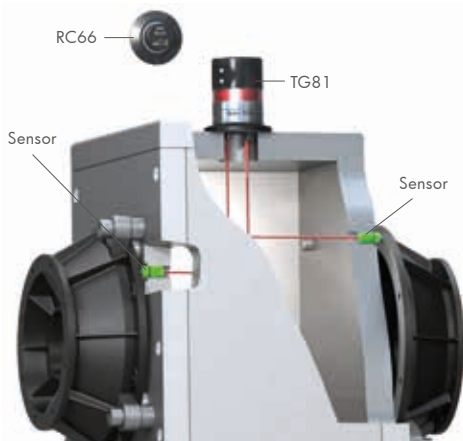
TG81 | Temperature Measuring System | Tactile workpiece measuring system with BRC radio transmission

The temperature under control – system for machine-integrated compensation of workpiece temperature

- Determination of workpiece temperature during critical machining time
- Up to 8 sensors integrated in workpiece clamping device
- Optionally applicable with other sensors, e.g. workpiece position or pressure sensor
- NC controls are calculating compensation data

Your benefit:

- Compensation of temperature differences, e.g. by dry machining, ambient temperatures
- High precision at machining of workpieces with different entry temperature
- Better accuracy of parts due to scale function



The sensors will be integrated into the clamping device.

Technical data

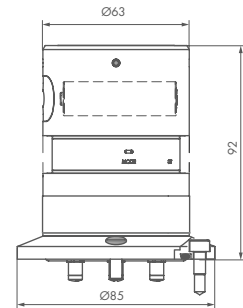
Protection class	IP67
Signal transmission	Radio (BRC Technology)
Frequency band	2.4000 ... 2.4835 GHz
Battery (2 pieces)	Soft Lithium LS 14500 (AA 3.6 V)
Measuring range	-5 °C to +80 °C
Resolution	0.1 K
Absolute accuracy at 20 °C	±1 K
Linearity (-5 °C to +80 °C)	±2 K (Tmin to Tmax)
Number of sensors	max. 8



System components – TG81, RC66, sensors



Sequential use of several measuring systems with one radio receiver.



Compact design



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