



BG61 Bore Gauge



Workpiece Measurement



Radio Transmission



Wear-free Measuring Mechanism



Mass Production



Diameter Measurement



Position Measurement



Roundness Measurement



Cylindricity Measurement



Concentricity Measurement

Bore Gauge **BG61**

BLUM
focus on productivity



BG61 | Bore Gauge | Tactile workpiece measuring system with BRC radio transmission

Customized solution for determination of multiple characteristics in bore production

- Solution with up to 8 individual measuring elements
- Measurement of diameter, position, cylindricity, roundness and concentricity
- Instant process control due to calculation of tool compensation values
- Machine-independent measuring system

Your benefit:

- Extremely fast measurement
- Measurement in initial setting
- Easy pairing procedure between BG and receiver
- Use of up to 16 measuring systems with one receiver
- Elimination of costly post-process measuring station
- Increased productivity and production quality
- Proven and robust design

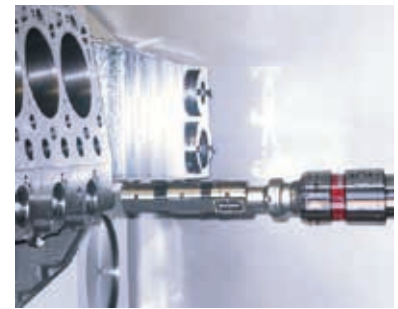
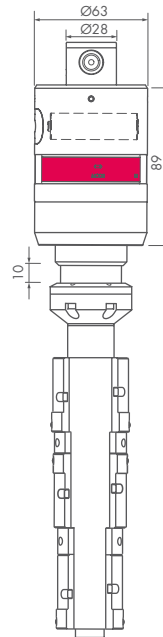
BRC Radio Technology

Sequential use of up to 16 measuring systems with one radio receiver.

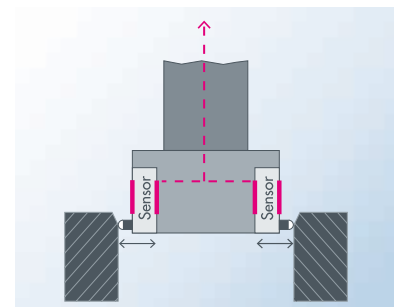


Technical data

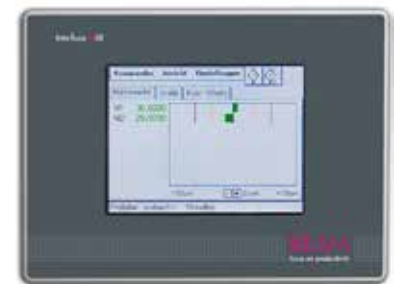
| | |
|---------------------------------------|---|
| Protection class | IP68 |
| Resolution | 12 Bit/0.15 µm |
| Linearity | 1 % of the measuring range |
| Collision protection: max. overtravel | Z: 6 mm X/Y: 6° |
| Maximum feed | without limiting |
| Signal transmission | Radio |
| Frequency band | 2.4000 ... 2.4835 GHz |
| Transmission power | 0 dBm |
| Operating range | 15 m |
| Battery (2 pieces) | Saft Lithium LS14500 (AA, 3.6 V) 2600 mAh |
| Mass | 1.2 ... 1.5 kg (depending on type) |
| Tool holder | BTH 50 (HSK, SK, BT, VDI, ...) |



BG61 in cylinder block production



Measuring principle BG61



Process control & logging with IF48



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