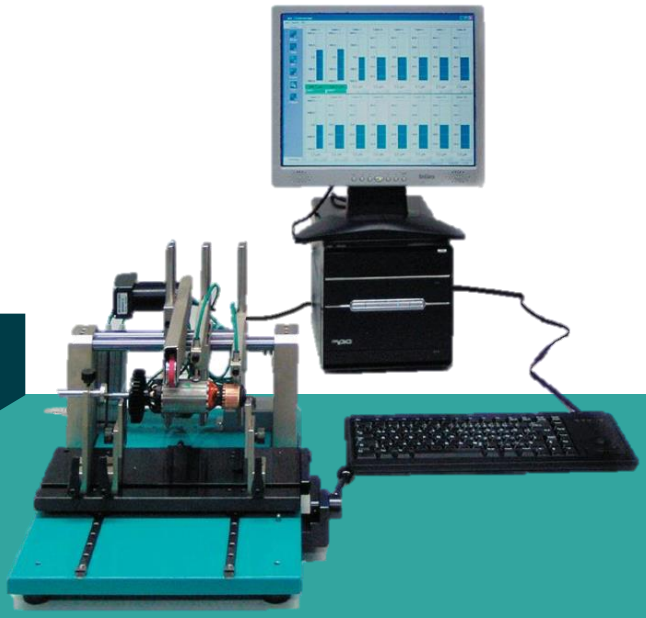
PREMETEC

Commutator measuring device



- Semi-automatic measuring device for parameter measurement on commutators and armatures of electrical machines

- Measuring principle: Axial rotation of the test piece by means of a drive belt and simultaneous scan by measuring sensors (roundness measurement)

- Software: Bar-to-bar height calculation from the roundness measurement
  Clear display of the measurement results as a graphic with colour change

- Test pieces can be quickly changed by swivelling out the measuring carriage

- Easy installation of adapters, stops and measuring sensors
  Changing devices for various test pieces

- Optional: Storage possibility for measured data
  Surface quality determination with roughness measuring device
  Automatic locking of OK and NOK parts
  OK parts marking with spray paint can

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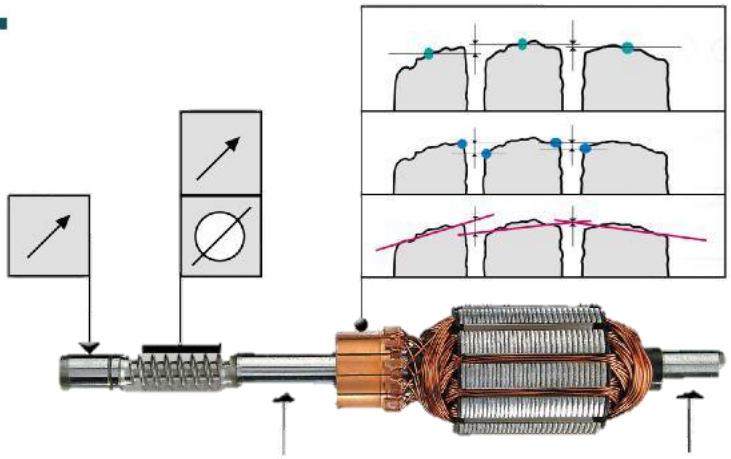
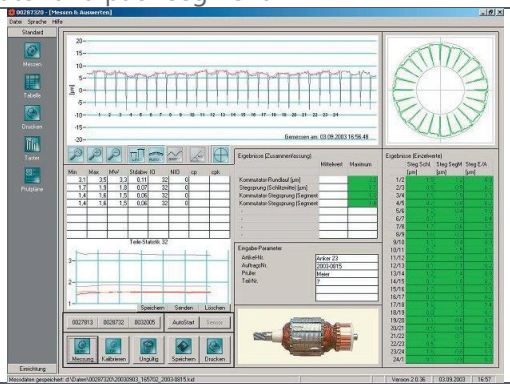


Technical Data

Test pieces	Commutators and armatures
Test pieces without centring hole	
Length	40...250 mm
Test diameter	0...200 mm
Bearing journal diameter	3...70 mm
Diameter difference	0...20 mm (bearing journal)
Test pieces with centring hole	
Length	0...250 mm
Test diameter	0...100 mm
Realisable measuring tasks	
Commutator	Bar-to-bar height Shape deviation of the bar segments Collector concentricity
Armature	Diameter (shaft, pack, screw) Concentricity (shaft, pack, screw) Roundness (depending on measuring setup)
Optional	Surface parameters Ra, Rz, Rmax Displacement angle between commutator and pack segment
Measurement data processing	
Hardware	IPC
Operating system	Windows
Measuring data software	kommutator.info®
Visualisation	Touch monitor
Storage (optional)	Excel, Q-DAS



Basic unit dimensions (without PC and monitor)	
Width x depth x height	340 x 400 x 290 mm (basic unit without PC and monitor)
Weight	approx. 35 kg
Optional accessories	Roughness measuring device Fine adjustment of the height adjustment with spindles Various measuring inserts, stops, test piece holders, ...

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