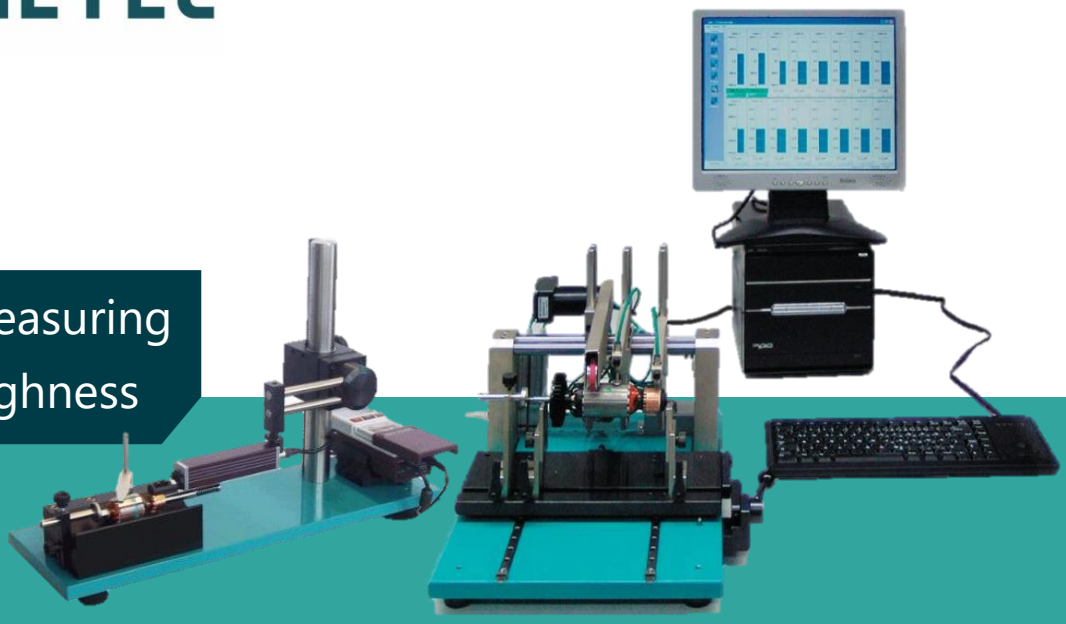
PREMETEC

Commutator measuring device with roughness



- Semi-automatic measuring device for measuring the characteristics of commutators and armatures of electrical machines

- Measuring principle:

  The test piece is rotated axially by means of a drive belt and approached with measuring sensors (roundness measurement)

  Software calculates the commutator characteristics (including bar-to-bar height) from the roundness measurement data

  The test piece is placed in a separate roughness measuring device and its surface is scanned
  (assignment of roughness measurement to commutator measurement)

- Measurement results clearly arranged as chart with colour change

- Quick change of the test pieces by swivelling out the measuring carriage

- Simple set-up of the adapters, stops and measuring sensors, changing devices for different test pieces

- Optional: Possibility of saving the measured data
  Automatic locking of NOK parts
  Marking of OK parts with spray paint can

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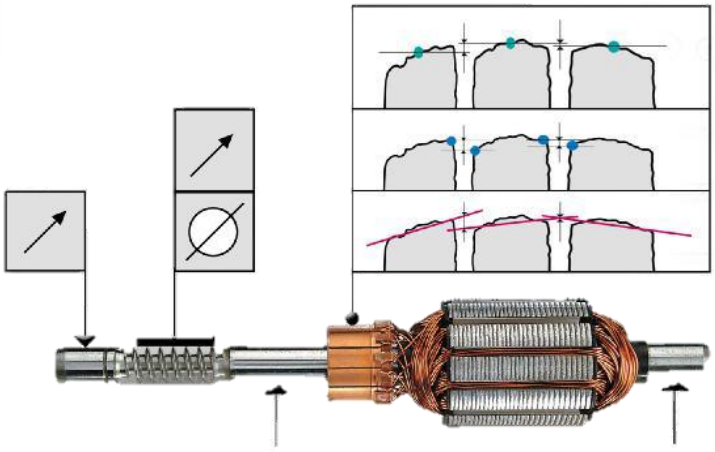
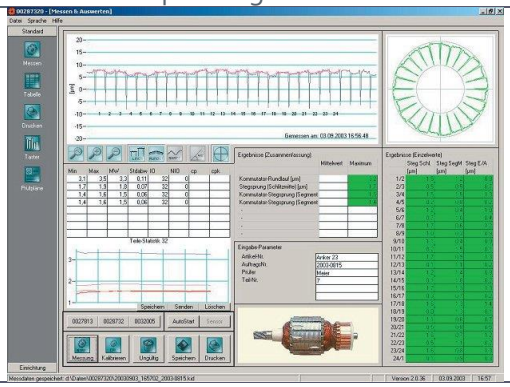


Technical Data

Test pieces	Commutators and armatures
Test piece dimension	
Length	40...250 mm
Test diameter	0...200 mm
Bearing journal diameter	3...70 mm
Viable measuring tasks	
Commutator	Bar-to-bar height Shape deviation of the bar segments Collector concentricity Surface parameters Ra, Rz, Rmax
Armature	Diameter (shaft, pack, screw) Concentricity (shaft, pack, screw) Roundness (depending on measuring setup) Surface parameters Ra, Rz, Rmax
Optional	Displacement angle between commutator and pack segment
Measurement data processing	
Hardware	IPC
Operating system	Windows
Measurement data software	kommutator.info®
Visualisation	Monitor
Storage (optional)	Excel, Q-DAS



Basic unit dimensions (without PC and monitor)	
Width x depth x height	350 x 400 x 290 mm (basic unit without PC and monitor)
Weight	approx. 35 kg
Roughness measuring device dimensions	
Width x depth x height	500 x 170 x 290 mm
Weight	approx. 14 kg
Optional accessories	See “Accessories catalogue BK730”

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