



Test system for speed sensors

Product description

The system is used for electrical testing of wiring harnesses with connected Hall sensor. The test bench is equipped with two test nests for serial testing of two test items.

Field of application

Research & development, quality control and End-of-Line test in the production/manufacturing area.



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Technical data

Test bench / device

- Test table with aluminium tube overhang
 - 2x test nest
 - Container for n. i. O. parts
 - Brackets for workplace lighting and Monitor

Software

- TST-WIN under Windows
 - On-line visualization of the measurement process
 - Automatic type change
 - all settings and sequences menu-guided freely programmable
 - Extensive possibilities for controlling the process and the measurements
 - Various evaluation and statistical possibilities, data export
- Integrated management for remote maintenance
- Database server for process data evaluation

Scope of testing

- Speed 0 to 500 1/min, ± 0.1 1/min
- Rotation angle Resolution 0.015°, recording 2 revolutions with 15 bit resolution at nmax = 500 1/min
- Measurements:
 - Signal voltage, resolution 1 mV
 - Current consumption, resolution 0.01 mA
 - Phase position, resolution 0.015°.
 - Rise / fall time, resolution 50 ns
 - Jitter, duty-cycle, edges, min/max signal voltage
 - Ratiometric signal evaluation

Input-/visualisation units

- Start button
- Stop button
- Monitor
- Acoustic indicators
- Label printer

Dimensions/Transport

- Approx. 1800x2200x800 mm (WxHxD)
- Weight approx. 300 kg

Test time

- Individual, depending on test scope

Exemplarily device type

- 114 3605