



MP-WIN Lifetime test for switches and sensors

Product description

Automatic test system for testing the service life of up to five steering column switches or steering angle sensors.

The system consists of a mechanical testing device which is actuated via a 5-axis control by means of servo drives.

The measuring and testing equipment is located in a separate switch cabinet.

Field of application

Research & Development, life time testing and quality control in the area of production/manufacturing



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Technical data

Test bench/device

- Mechanical testing device for up to five test specimens, driven by servo motors
- Universal interchangeable adaptations for different specimen types
- Climatic exposure test cabinet
- 2x Rack
 - Measuring and control technology
 - Load simulation

Software

- Multiprűf MP-WIN under Windows
 - process control
 - Configuration of 1x 75 analog channels up to 5x 15 analog channels possible
 - Extensive possibilities for controlling the process and the measurements
 - extensive evaluation and statistics options
 - data export
- Integrated management for data security and remote maintenance

Scope of testing

- Movement cycle independent of measuring cycle possible, fast movements e.g. $\pm 10^\circ$ with 10 Hz
- Inspection in original mounting position
- 75 analog measuring channels, differential
- 2 measuring ranges 0 to 3 V/0 to 30 V, resolution 0.1 mV/1 mV
- Original load simulations controllable via RS232C
 - 5 x 0 to 1000 mA
 - 250 x resistance simulation
 - 15 x lamp load 2 to 11 A continuous current, max. 88 A pulse current, various load curves adjustable

Input-/visualisation units

- Keyboard
- Monitor

Dimensions/Transport

- approx. 600x1800x600 mm (WxHxD)

Test time

- Individual, depending on test scope

Exemplary device type

- 047 2759