



SKW Laboratory measuring station for switch measurement

Product description

This PC-controlled laboratory workstation enables the operator to easily and user-friendly perform torque/angle of rotation/contact measurements as well as tensile/compression force and displacement/contact measurements on analog and bus-coded switches.

Field of application

Laboratory, research & development, quality control in the field of production/manufacturing



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Technical data

Test bench/device	
<ul style="list-style-type: none"> • Groove plate made of aluminium as base support • Holder for specimen holder made of welded steel profile • Test specimen actuation via vertical linear axis with double prestressed cross roller guide (tensile/compressive force measurement) • Piezo force transducer • Rotary actuator in the housing on the base carrier (torque measurement) • Connection panel for test specimen supply 	
Software	
<ul style="list-style-type: none"> • Test software TST-WIN under Windows <ul style="list-style-type: none"> - Menu-guided test steps for controlling the test sequence - Entry of individual test parameters for each test step • Various statistics for evaluation available and configurable 	
Scope of testing	
<ul style="list-style-type: none"> • Torque/angle of rotation/contact measurement <ul style="list-style-type: none"> - $\pm 1080^\circ$, resolution 0.1° - 0...500 cNm, resolution 0.01 cNm/0.1 cNm - 2 measuring ranges • Force/displacement/contact measurement <ul style="list-style-type: none"> - 0...450 mm, resolution 1/1000 mm - 0...1000 N, resolution 0.01 N/0.1 N • Electrical Interface <ul style="list-style-type: none"> - 32 analogue measuring channels 0..30V / 16 Bit, 0,5mV - Multiplexed voltage supply - 0uA/100uA/1mA/10mA - LIN-Bus 1.3 / 2.0, CAN, FlexRay 	
Input-/visualisation units	Dimensions/Transport
<ul style="list-style-type: none"> • Keyboard • Monitor 	<ul style="list-style-type: none"> • ca. 600x1200x800 mm (WxHxD)
Test time	Exemplary device type
<ul style="list-style-type: none"> • Individual, depending on test scope 	<ul style="list-style-type: none"> • 042 0684