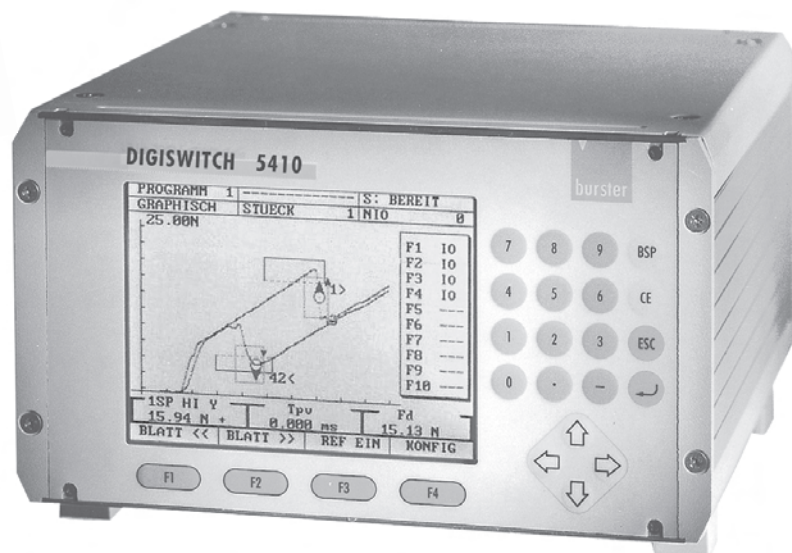


Switch Testing Device DIGISWITCH

for production and laboratory

Model 5410

Code: 5410 E
 Manufacturer: burster
 Delivery: ex stock
 Warranty: 24 months



- Capture and evaluation of switch point, reserve switch point, actuation movement and difference movement acc. DIN 41635
- Haptic-testing on switch elements
- Testing of up to 5 switches per second
- 32 different switch types in 32 measuring programs
- Connection of strain gage or piezo-electric load cells and all kinds of displacement sensors
- Control signals for e.g. Start-Stop and limit force switch-off
- RS232 and PLC interface
- Profibus DP (option)

Application

The switch testing device DIGISWITCH model 5410 was developed especially for the testing of switches and buttons acc. to DIN 41635 resp. DIN 41636.

With the simultaneous capture of force, displacement and switch point, the complete switch characteristic can be displayed and evaluated on the 120 x 88 [mm] LCD.

With a sample rate of up to 5 work pieces per second the device is well suitable for online testing in production. Nevertheless, also in the laboratory or at simpler manual work places the device can be of great assistance for spot-checks.

Next to the PLC-output switches OK/NOK the various measurement values as well as the complete measuring curve can be transferred to a PC via the RS232 interface. Fast work piece changes with varying switch characteristics are not a problem for DIGISWITCH. The 32 work piece related parameter sets can be selected via PLC or the device's menu.

Together with the PC software one can save even more data sets. Furthermore, it serves to protocol the measurement results, to up- and download the complete device settings, etc.

Description

The complete switch characteristic is recorded and evaluated with the help of specific attributes such as switch point, reverse switch point, actuation movement and difference movement. Next to the mechanical values the electrical switch point is also captured. In order to do so, a window is set at the striking position. If the measuring values lie beyond the preset limit value within this window, the window is evaluated as NOK.

In an additional field on the LCD the evaluation of every window is displayed next to the graphic. Only if all preset limit values are in accordance, the switch is evaluated as an OK part which is also transmitted to the PLC with an OK signal. The capture of the switch characteristics with evaluation is effected optimally within 200 ms. In case of a defect on the sensor the limit force switch-off is effected with a reaction time of approx. 2 ms.

A complete switch test installation can be configured, consisting of the DIGISWITCH model 5410 together with the linear positioning actuator model 5490-Z001 and a load cell.

5410-E

