

DATA SHEET

Accessories: Test Verification Boxes



Test Verification Box D 1885



Test Verification Box D 2001



Test Verification Box D 2005



Test Verification Box D 2120



Test Verification Box D 2012

Description	Regular use of test verification boxes is an absolute must in every production of electrotechnical / electronic devices. If verification tests are not carried out and afterwards an error is detected in the test system then a recall is unavoidable. The later the more expensive. The test verification box simulates FAIL and OK results in safety tests such as high voltage test and ground bond test. This is not a substitute for a calibration but ultimately just as important. The verification test is performed in a few minutes and should be recorded. The test devices and test systems of SPS electronic request depending on the programming daily or cyclic test intervals. The performance and the test result are automatically documented. SPS electronic recommends performing this test at least daily and at every change of shifts. The test verification box itself must just as the test device be checked and calibrated at least once a year. With high product quantities this test cycle has to be adjusted. Only with the daily verification test the performance of the safety testing in production of electro-technical / electronic devices is ensured. With only one test verification box, a verification test for all kinds of the safety test can be carried out. The OK and FAIL simulation is installed for the high voltage test, insulation measurement, ground bond test and line leakage test in a plastic housing. As there are many individual applications for the high voltage test additional test verification boxes are offered applicable only for the high voltage test devices. Finally it should be mentioned that a built-in test verification box is no solution. Only if the test verification box is connected the same as the original DUT it is ensured that test voltages really get there where they are needed. Safety without compromise.
Safety	Application only in the test bay
Connection	IEC socket, test probe / high voltage test probe

Versions

Test type	Type
Function test (cos φ 0 / 0,5 for performance test)	D 1885
High voltage test (1 mA / kV)	D 2001
High voltage test (5 mA / kV)	D 2005
High voltage test / UL-application (120 k Ω)	D 2120
High voltage / insulation / ground bond / line leakage test	D 2012