

Test Verification Box

Series D

In every series production environment, regular dummy testing is essential to ensure reliable safety testing. The test verification box simulates defined fault conditions for all relevant safety tests, enabling reliable verification of the test process. Like the test device or test system itself, the test verification box must be calibrated at least once per year.

Test verification boxes from SPS electronic are used for the routine functional verification of standard safety testers and automated test systems. For this purpose, the test verification box is connected to the tester in place of the device under

test (DUT), allowing a controlled “GOOD / FAIL” simulation to be performed. Only through regular—ideally daily—verification can consistent product safety be ensured and costly recalls effectively avoided.

Each test verification box includes an interface for connection to the tester as well as one or more precisely defined resistors and/or inductors to simulate specific test conditions. Test verification boxes from SPS electronic are manufactured to a high quality standard and are available in various versions to meet different application requirements.

		Test Verification Box Series D					
		D 1885	D 2001	D 2005	D 2120	D 2122	D 4010
General Data		Function test (cos Φ 0 / 0,5 for performance test)	High voltage test (1 mA / kV)	High voltage test (5 mA / kV)	High voltage test / UL-application (120 k Ω)	High voltage / insulation / Ground bond / Line leakage test	Partial discharge HV/ST
Safety		Application only in the test bay					
Connection		IEC Socket, Test Probe / High Voltage Test Probe					
Dimensions (approx.)	Height	56 mm 2.2 in	90 mm 3.5 in	90 mm 3.5 in	90 mm 3.5 in	90 mm 3.5 in	55 mm 2.2 in
	Width	81 mm 3.2 in	120 mm 4.7 in	120 mm 4.7 in	120 mm 4.7 in	160 mm 6.3 in	160 mm 6.3 in
	Depth	83 mm 3.3 in	80 mm 3.1 in	80 mm 3.1 in	80 mm 3.1 in	120 mm 4.7 in	80 mm 3.1 in

