

Solutions for electrical safety test systems

A 1600 CE Switch 5kV



The A 1600 CE Switch 5kV combines all features of the CE MultiTesterXS and extends them to four HV test channels and two 4-wire continuity test channels. The CE Switch 5 kV could be used in conjunction with several separate connection boxes, containing various kinds of contacting to tested items. The operation of CE Switch 5 kV is completely controlled by the master instrument, no user intervention during the tests is needed. I/O connections and LEDs for controlling the AutoSequence® flow are integrated. Testing of electrical equipment with multiple connection points is supported. The switch recognizes the connected adapter and prevents from applying too high voltages/current to it (protection by HW and SW).

KEY FEATURES

- Multipurpose switching matrix can be used to apply high voltage, in combination with all other supported tests (Continuity, insulation, leakages, residual voltage);
- Testing with high voltages up to 5.1 kV ac or 6 kV dc, are supported;
- Improves operators safety from shock;
- The active CE Switch 5kV is an active multichannel switch/adapter intended to run AutoSequences® and Single tests.

STANDARDS

Safety

- EN 50191;
- EN 61010-1;
- EN 61010-2-030;
- EN 61010-031.

TECHNICAL SPECIFICATION

Mains supply	Supply voltage, frequency	115 V / 230 V AC, 50 Hz / 60 Hz
	Supply voltage tolerance	±10 %
	Max. power consumption	20 VA
	Mains supply overvoltage category	CAT II / 300V
	Altitude	≤ 2000 m
Parameter	Max. continuous load current	16 A, PF = 1
	Max. continuous reactive load	1.5 kVA, PF = 0.9
	Max. a.c. withstanding voltage	5 kV
	Max. d.c. withstanding voltage	7 kV
	Max. continuity resistance measuring current	25 A
	Max. Riso measuring voltage	1000 V
Supported measurements	Measuring functions	Continuity Riso Power Sub-Leakage Differential Leakage IPE Leakage Touch Leakage Leaks & Power HV-AC HV-DC HV-AC programmable HV-DC programmable Discharging time
	Power supply	Class I, mains supply
Protection classifications	Altitude	≤ 2000 m
	Pollution degree	2
	Degree of protection	IP 20
General	Dimensions (w×h×d)	50 cm × 23 cm × 45 cm
	Weight	8.3 kg
	Built-in housing requirements	19" rack
	Fastening openings dimensions (w×h)	46.5 cm × 14.6 cm
	Preferred fastening screws	M6 × 12 mm or equivalent
Operation conditions	Working temperature range	0 °C ... +40 °C
	Maximum relative humidity	85 % RH (0 °C ... 40 °C), non-condensing
	Operation	Indoor use
Storage conditions	Temperature range	-10 °C ... +60 °C
	Maximum relative humidity	90 % RH (-10 °C ... +40 °C)
		80 % RH (40 °C ... 60 °C)

ORDERING INFORMATION



Standard set A 1600

- A 1600 CE Switch 5kV
- A 1728 Mains cable C13 / Schuko, 3 x 0.75 mm², 2 m
- A 1695 Grounding cable, 2 m
- A 1076 Continuity test lead, 2.5 m, 2pcs
- A 1645 Multi-functional test cable, TC1, 1.3 m
- A 1601 HV test lead with test probe, red, 1.5 m
- A 1602 HV test lead with test probe, blue, 1.5 m

OPTIONAL ACCESSORIES

Photo	Order No.	Acc. description
	A 1626	Connection box, 1-phase
	A 1627	Connection box, 3-phase
	A 1495	Remote control pedal
	A 1496	Warning lamp / 2-LED signal tower HV
	A 1497	Warning lamp / 4 LED's signal tower with buzzer
	A 1496 MAG	Warning lamp / 2-LED signal tower HV ready for magnetic mounting

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Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.
Subject to technical change without notice.