

axos⁵ EXPANDABLE TEST SYSTEM

VOLTAGE DIPS TEST SYSTEM



SURGE



EFT / BURST



VOLTAGE DIPS



MAGNETIC FIELD



www.axos.haefely.com

SUMMARY

The AXOS⁵ Voltage Dips Test System is a state of the art stand-alone power fail generator. Created after the successful AXOS⁵ Compact Immunity Test System, the AXOS⁵ Voltage Dips Test System incorporates all the best features of our well-known and proven PLINE 1610 with the addition of a new touch screen interface for superior functionality. It is both cost-effective and fully compliant with the IEC/EN 61000-4-11 (AC sources) and IEC/EN 61000-4-29 (DC sources) standards. It also comes equipped with all the hardware needed for instant upgrades with optional key codes. These key codes can be entered with ease to expand the test capabilities of the AXOS⁵ Voltage Dips Test System, including EFT/Burst and Surge Combination Wave 1.2/50µs...8/20µs.

Furthermore, it supports the standard interrupt dip level of 0% and can be extended to the mandatory dip levels of 40%*, 70%* and 80%* by any suitable external voltage source. The optional automatic voltage dip transformer DIP116 makes the handling even more comfortable. All parameters can be directly set from the menu of the AXOS⁵. In addition, HAEFELY EMC also offers a wide range of accessories for waveform verification and test applications. The flexibility provided by our accessories insures a safe investment for the future.

FEATURES & BENEFITS

- Easy to operate with manual and automated test modes, software assisted test preparation, predefined test routines and visual aided test setups
- The sensitive touch screen guarantees reduction of time and effort at a reasonable price
- Voltage and current monitoring of Surge impulses and EUT power provides valuable feedback to the test engineer
- Automatic generation of test report, including test parameters, test setup and test result

APPLICATIONS

- Compliance and pre-compliance testing of electrical products
- CE marking
- Product development and debugging
- Compliance testing of telecom and wireless devices

STANDARDS

- IEC/EN 61000-4-11
- IEC/EN 61000-4-29
- EN 61000-6-1
- EN 61000-6-2
- EN 61326
- IEC 60601-1-2
- and many more

INDUSTRIES

- Industrial
- Residential
- Components
- Medical
- Renewable energy
- Telecom

TECHNICAL SPECIFICATIONS

GENERAL DATA			
Control power	85 V - 264 V 50/60 Hz	Dimensions (W x H x D)	19" / 4U (45 x 18 x 49 cm)
User test storage	unlimited	Weight	25 kg
Remote interface	Ethernet, RJ45	USB	for USB memory stick
Display	7" / 800x480 / 24 bit with touch-screen	AUX. interface	D-sub 37p for external CDN, external trans- former etc.
External trigger input	5 VTTL	Synch input	BNC, 10 V – 264 V AC
Trigger output	5 VTTL	External start / stop input	5 VTTL, starts / stops predefined test se- quence
EUT failed input	5 VTTL	Analog output	0 – 10 V, for use with external options
Warning lamp output	2 x 24 V / 1 A DC	Safety circuit	stops the test when unlocked
IEC / EN 61000-4-11 EDITION 2 AND IEC / EN 61000-4-29			
Max. voltage	264 V AC/DC	Interrupt time	0.5 period – 800 periods 100 μ s – 1000 minutes
Max. current	16 A AC/DC continuous 20 A for 5 s 23 A for 3 s 40 A for 3 s > 500 A inrush current	Interval time	1 period – 800 periods synch 100 μ s – 1000 minutes asynch
Trigger	automatic manual external trigger input	Test time	1 s – 1000 minutes infinite
Interrupt dip level	0% 0% – 99% with external voltage source	Phase sync	0 – 359° 16 / 40 / 50 / 60 Hz asynchronous mode

OPTIONS AND ACCESSORIES

DIP 116	Automatic Dips Transformer for dip levels 40%, 70%, 80%	2490410
Calibration	Accredited calibration for AXOS ⁵ Voltage Dips Test System	2490424
Remote Control	Remote Control Software	2490440
Key Code EFT/Burst	Key Code for upgrade to EFT/Burst	4700815
Key Code Surge	Key Code for upgrade to Surge CW 1.2/50 μ s...8/20 μ s	4700814



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