



EFT/BURST TEST SYSTEM





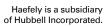
















SUMMARY

The AXOS⁵ EFT/Burst Test System is a state of the art stand-alone EFT impulse generator. Created after the successful AXOS⁵ Compact Immunity Test System, the AXOS⁵ EFT/Burst Test System incorporates all the best features of our well-known and proven PEFT-series with the addition of a new touch screen interface for superior functionality. It is both cost-effective and fully compliant with the IEC/EN 61000-4-4 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 Burst/EFT Test System, including AC/DC Dips Interrupts, Surge Combination Wave (1.2/50µs...8/20µs), and Impulse Magnetic Field.

Furthermore, it has a built-in 16A single phase coupling/decoupling network (CDN). This single phase system can also be expanded to a three phase system with our optional 32A or 100A three phase CDNs. In addition, HAEFELY EMC 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 EFT/ Burst impulses and EUT power provides valuable feedback to the test engineer
- Automatic generation of test report, including test parameters, test setup and test result

STANDARDS

- IEC/EN 61000-4-4 Edition 2 & 3
- IEEE/ANSI C62.41
- IEC/EN 61850-3

APPLICATIONS

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

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 exter- nal CDN, external transformer 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

IEC / EN 61000-4-4 EDITION 2 & 3					
Output voltage	0.2 – 5.0 kV ±10% at co- axial output	Spike frequency	1 Hz – 1 MHz		
Polarity	pos / neg / alternate	Burst duration	10 us – 1 s		
Output impedance	50 Ohms	Burst period	1 ms – 10 s		
Rise time	5 ns ±30%	Test time	1 s– 1000 minutes		
Impulse duration	50 ns ±30% at 50 Ohm 50 ns –15 +100 ns at 1000 Ohm	Trigger	automatic, manual, external trigger input		
Burst mode	normal, continuous, real, random	Integrated single phase coupling / decoupling network	264 V AC / 16 A 220 V DC / 10 A		

OPTIONS AND ACCESSORIES

FP-EFT32M	Manual 3-phase / 32A CDN EFT/Burst	2490170
FP-EFT100M	Manual 3-phase / 100A CDN EFT/Burst	2495860
IP4A	Capacitive Coupling Clamp for EFT/Burst	2491300
EFT Verification Set	Set consists of 50 Ohm and 1000 Ohm attenuator	2499951
Key Code Surge	Key Code for upgrade to Surge 1.2/50μs8/20μs	4700814
Key Code Dips	Key Code for upgrade to AC/DC Dips and Interrupts	4700816
Calibration	Accredited calibration for AXOS ⁵ EFT/BurstTest System	2490423
Remote Control	Remote Control Software	2490440



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