



COMPACT NX5

FIRST OF ITS KIND. SHOWS ITS TRUE COLORS. THINKS FOR ITSELF.

ARE YOU READY FOR A NEW GENERATION? COMPACT NX5.



- / MORE CONVENIENCE.
- / MORE SAFETY.
- / MORE TIME SAVINGS.




WELCOME TO YOUR NEW TESTING EXPERIENCE: COMPACT NX5.



1/  MORE CONVENIENCE:
COLOR-CODED TESTS WITH
TOUCH SCREEN OPERATION.



2/  ANY WAY YOU WANT:
CUSTOMIZE YOUR OWN TESTS
& SEQUENCES.



3/  VERSATILE CONNECTIONS:
WITH STATE-OF-THE-ART
INTERFACES.



INTELLIGENT TESTING MADE EASY: 1 FINGER FOR 1,000 TESTS.



1 BURST 5/50 ns

2 QUICKSTART

3 v 1000 V Pol Alternate

f 100 kHz

td 0.75 ms

tr 300 ms

T 60 s

Cpl Common L+N+PE

4 5/50 ns

5 [Waveform Graph]

6 230 V / 1.0 A / 230 VA / 50.0 Hz

Total Time: 00:02:00

ONE-TOUCH DIRECT SELECTION OF ANY PARAMETER:
YOUR NEW CONTROL CENTER.

1 QUICK CHANGE:
To select another function, just tap it on the main menu.



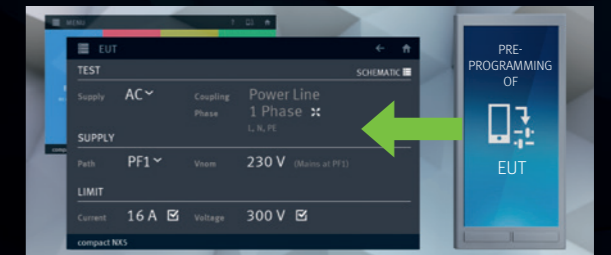
2 COLOR-CODED MENUS:
Each test type has its own color. Simply distinctive.



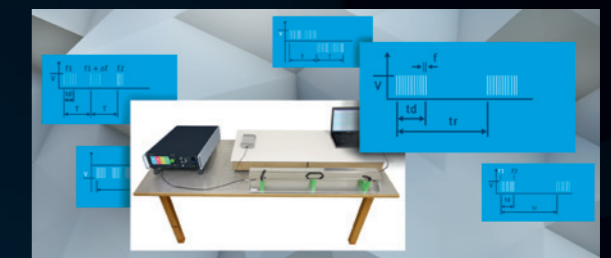
3 FAST AND CONVENIENT SETUP:
User friendly keypads for entering custom values.



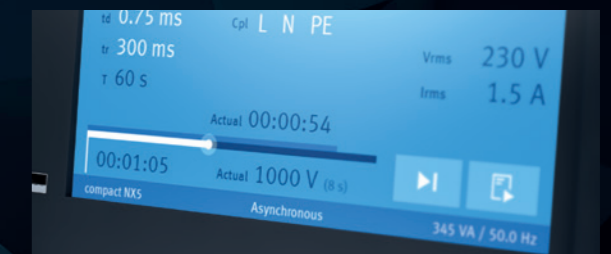
4 EUT SETUP:
Pole position: Now, your EUT determines the sequence.



5 DOCUMENT YOUR TEST:
Detailed reports with test pulse graphics or photos of the test.



6 STATUS AND EUT MONITORING:
Always up to date.



MORE INTERFACES. MORE INDIVIDUALITY. MORE OPTIONS!



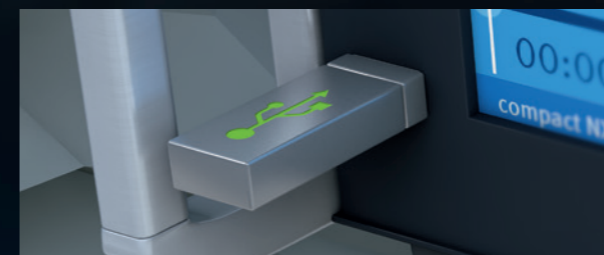
INTEGRATED STANDARDS LIBRARY:
Ensure compliance with quick access to pre-stored test standards.



CUSTOMIZED TESTING:
Generate and save your own test files easily and reliably.



EASY IMPORT AND EXPORT:
Documents and photos of the test setup imported or exported in a few simple steps.



SAFE TESTING:
Secure Ethernet/OptoLink connection.



FOR ALL LOVERS OF DETAILS: TECHNICAL DATA – COMPACT NX5.



HIGHLIGHTS

More convenience

- › Intelligent touch-screen operation
- › Modern connection architecture
- › Quiet operation
- › Push-turn dial
- › Multilingual – choose your preferred language

More safety

- › Modern operating system ensures long-term viability
- › Comprehensive, integrated standards library
- › Visualization of test pulses and setups
- › EUT power monitoring (current/voltage/power and frequency monitoring) in real time
- › Differential synchronization up to 690 V

More time savings

- › EUT setup: Your EUT determines the sequence and parameters
- › em.log: Test data log allows selective checks and re-testing
- › TEST-LINK: Create and automate your own test sequences
- › Easy import and export of test specifications

COMPACT NX MODULES

The new compact NX5 is the most versatile tester for meeting transient and power-fail requirements according to international (basic and generic) and product/product family standards.

The compact NX5 is the most economical solution for fully compliant immunity tests and CE marking. A built-in CDN is used for testing single-phase EUTs, while tests on three-phase EUTs can be performed by adding a fully controlled external coupling network up to 200 A. EM TEST supplies a wide range of accessories for nearly all test procedures and applications.

STANDARDS AND APPLICATIONS

- | | | |
|--------------------|---------------------|----------------|
| › IEC 60255-1 | › IEC/EN 61000-4-5 | › EN 61000-6-1 |
| › IEC 60601-1-2 | › IEC/EN 61000-4-8 | › EN 61000-6-2 |
| › IEC 61326 | › IEC/EN 61000-4-9 | › EN 55014-2 |
| › IEC 61850-3 | › IEC/EN 61000-4-11 | › EN 61547 |
| › IEC/EN 61000-4-4 | › IEC/EN 61000-4-29 | |



COMPACT NX MODULES

BURST EFT/NX5		Acc. to IEC/EN 61000-4-4 and IEC/EN 61000-6-1/2
Test voltage		200 V–5,500 V ± 10%; 100 V–2,750 V ± 10% at 50 Ω load
Pulse shape		5/50 ns at 50 Ω and 1,000 Ω
Pulse triggering		Automatic, manual, external
Polarity		Positive/negative/alternating
Synchronization		0°–360°, resolution 1°, (16–500 Hz)
Output	Direct	Via 50 Ω coaxial

SURGE VCS/NX5		Acc. to IEC/EN 61000-4-5 and IEC/EN 61000-6-1, -6-2
Voltage (o.c.)		160 V–5,000 V ± 10%
Current (s.c.)		Max. 2,500 A ± 10%
Rise time		1.2 μs ± 30%
Decay time to half value		50 μs ± 20%
Rise time		8 μs ± 20%
Decay time to half value		20 μs ± 20%
Pulse triggering		Automatic, manual, external
Polarity		Positive/negative/alternating
Synchronization		0°–360°, resolution 1°, asynchronous
Repetition rate		Max. 1 Hz (1 s–9,999 s)
Output	Direct	Via HV connectors to external coupling network

POWER-FAIL		Acc. to IEC/EN 61000-4-11, -4-29 and IEC/EN 61000-6-1/-2
Channel PF1/PF2		Voltage: max. 300 V AC/DC Current: max. 16 A AC/DC
Frequency		16 Hz–500 Hz and DC
Switching time		< 5 μs at 100 Ω resistive load
Inrush current		> 500 A
Trigger		Automatic, manual, external
Synchronization		0°–360°, resolution 1° (16–500 Hz), asynchronous
Output	EUT terminals Trigger	L, N and PE 5 V trigger signal for oscilloscope

GENERAL DATA	
Serial interface	2 x USB A/ 1 x USB B OptoLink
Network	Ethernet
Sys.Link	26-pin high density connector to control external devices
Fail inputs	EUT monitoring via inputs (one each) EUT monitor 1 EUT monitor 2
Ext. sync input	Differential input 50 V–690 V AC, 2 x 4 mm MC safety Connector
Dimensions	19", 3 HU
Weight	21.8 kg

THE FUTURE STARTS NOW: COMPACT NX5. CONTACT US TODAY.



LEARN MORE AT:
www.emtest.com

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