



# 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.



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.



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



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



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



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



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:**  
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