



MAIN FEATURES

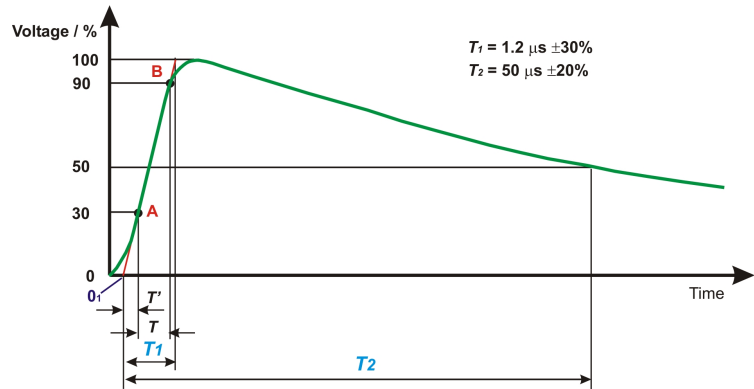
- Voltage surge impulses up to 8 kV with constant energy of 0.5 J at all test levels
- Specified tolerance + 0 % / - 10 %
- Compliant to IEC 62052-11, IEC 60255-27, GB/T 17215.211 and IS 13779
- 7 different test levels
- Peak voltage and peak current measurement
- Interlock and Warning lamp control
- USB (optical link) and Ethernet interface

vsurge NX8.1
Voltage surge generator

The surge simulator type vsurge NX8.1 generates high voltage transients as required by IEC 62052-11 with a source impedance of 500 Ohm for transient overvoltage tests on Metering equipment. The output voltage ranges up to 8 kV, covering all tests levels. The no-load waveshape corresponds to IEC 61180-1. For this kind of testing the IEC 62052-11 standard requires a fixed energy of 0.5 J at all test levels. The IEC 62052-11 is replaced by IEC 62052-31 which is also covered by vsurge NX8.1.

Surge voltage pulse 1,2 / 50 us (no load condition)

Definition		Tolerance	Range
Rise time	T (30 - 90 %)	0.72 us +/- 30 %	0.50 us - 0.94 us
Front time	$T_1 = T * 1,67$	1.2 us +/- 30 %	0.84 us - 1.56 us
Time to half	$T_2 = T_{w 50-50} + T_1/2$	50 us +/- 20 %	40 us - 60 us
Peak voltage		+/- 3%	



Models

burst NX8-1-400-16	With 1-phase coupler, 400 V / 16 A AC
burst NX8-1-400-32	With 1-phase coupler, 400 V / 32 A AC
burst NX8-3-690-16	With 3-phase coupler, 690 V / 16 A AC
burst NX8-3-690-32	With 3-phase coupler, 690 V / 32 A AC
burst NX8-1-400-16.1	With 1-phase coupler, 400 V / 16 A AC, 1,000 V / 16 A DC
burst NX8-1-400-32.1	With 1-phase coupler, 400 V / 32 A AC, 1,000 V / 32 A DC
burst NX8-3-690-16.1	With 3-phase coupler, 690 V / 16 A AC, 1,000 V / 16 A DC
burst NX8-3-690-32.1	With 3-phase coupler, 690 V / 32 A AC, 1,000 V / 32 A DC

Specifications

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Normal Text.

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 **Specifications**

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