



## **NSG 3060-TS-EXT EXTENSION CHASSIS WITH 10/700 $\mu$ s TELECOM SURGE PULSE**



- **Compliant with IEC 61000-4-5**
- **Compliant with ITU-T.K series**
- **Compliant with ANSI TIA 968 B**
- **Compatible with NSG 3040 and NSG 3060**

The NSG 3060-TS-EXT is an extension chassis for NSG 3040 and NSG 3060 series containing the functionality to generate the so called telecom surge pulse.

The NSG 3060-TS-EXT is an accessory to, and will be driven from the front panel or via the PC software of NSG 3040 and NSG 3060 series.

The NSG 3060-TS-EXT is able to generate pulses up to 7.7 kV, so meets the highest requirements of ITU-T.K standard series, and exceeds the requirements of other standards as IEC 61000-4-5 and ANSI TIA 968B.

The NSG 3060-TS-EXT shows best price/performance as an accessory to NSG 3040 and NSG 3060 series, especially in case the NSG 3060 is fully fitted with other pulse modules .

The NSG 3060-TS-EXT offers the basic performance features of all NSG 3000 series instruments: A robust and user-friendly interface (On NSG 3040 or NSG 3060 front), industry-leading design and quality, comprehensive safety features, and compatibility with all existing NSG 3000 series accessories.

As the 10/700  $\mu$ s surge pulse gets only coupled to signal and data lines, the NSG 3060-TS-EXT needs to be used with adequate data line coupling – decoupling networks. The Teseq CDN 117 and CDN 118 are ideally suited for this, however, any other dataline CDN can be used. Adapter plugs are available as accessories in order to allow easy and safe adaptation.



NSG 3060-TS-EXT with NSG 3060



# NSG 3060-TS-EXT EXTENSION CHASSIS WITH 10/700 $\mu$ s TELECOM SURGE PULSE



NSG 3060-TS-EXT with NSG 3040



CDN 117



CDN 118

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## Technical information:

Parameter	Value
Pulse form 10/700 $\mu$ s: IEC 61000-4-5:2005	Open circuit: 10 $\mu$ s $\pm$ 30%, 700 $\mu$ s $\pm$ 20% of nominal value Short circuit: 5 $\mu$ s $\pm$ 20%, 320 $\mu$ s $\pm$ 20% into 40 $\Omega$ followed the IEC 60060-1 measuring specification IEC 61000-4-5:2005
Pulse form 9/720 $\mu$ s: ANSI/TIA968-B:2009	Open circuit: 9 $\mu$ s $\pm$ 30%, 720 $\mu$ s $\pm$ 20% Short circuit: 5 $\mu$ s $\pm$ 30%, 320 $\mu$ s $\pm$ 20%, into 40 $\Omega$
Voltage range:	200 up to 7700 V in 1 V step
Polarity:	Pos (positive), Neg (negative), Alt alternating)
Pulse outputs:	Earth-free (floating)
Min. Repetition time:	From 200 up to 4400 V = 20 s From 4401 up to 7700 V = 30 s
Max. Repetition time:	600 s
Impedance:	Selectable, 15 or 40 $\Omega$
Dimensions:	W: 449 mm (17.7") H: 328 mm ( 12.9") D: 565 mm (22.2")
Weight:	40 kg (88.2 lb) approx.
<b>Temperature range</b>	
Operation:	+10 to +40°C
Storage:	-10 to +60°C
Humidity:	30 to 78% (non condensing)
Air pressure:	860 to 1060 hPa
<b>Accessories</b>	
CDN 117:	Coupling network unsymmetrical operated data lines
CDN 118:	Coupling network for symmetrical operated data lines
WIN 3000-SRD:	Professional version of PC software featuring real time reporting, sequencing and dialogs.
MD 200A:	Differential HV probe
MD 300:	Current sensor
INA 3234:	25 $\Omega$ calibration load
INA 3436:	Adapter plugs
INA 167:	7U brackets for rack mounting
INA 3000:	Trolley for NSG 3000 series

