

# Lightning Surge Coupling/Decoupling Network for High-Speed Signal Lines

## CDN-508S 【Introduction】

The CDN-508S is a manual coupling/decoupling network specifically designed for lightning surge testing of unshielded asymmetric signal lines. This network allows for a single device to simultaneously meet the testing requirements stipulated by standards for unshielded asymmetric lines..

### Compliance Standards

GB/T 17626.5-2008 、 IEC 61000-4-5 ： 2015

### Technical Features

- ◆ Compatible with testing using the 1.2/50  $\mu$ s-8/20  $\mu$ s waveform;
- ◆ Capable of conducting indoor/outdoor unshielded lightning surge online testing;
- ◆ One device can simultaneously meet the impedance requirements for 2-channel, 4-channel, and 8-channel configurations.

### Parameter List

Specification Model	CDN-508S
Standard-Compliant Graphic Number	IEC 61000-4-5: 2015 Figure 9
Coupled Surge Waveform	1.2/50 $\mu$ s-8/20 $\mu$ s Composite Waveform
Maximum Input Surge Voltage	6 kV
Maximum Input Surge Current	0.15 kA
DUT Capacity	2-channel, 4-channel, 8-channel signal lines
Port Type	Unshielded Asymmetric Lines
Communication Signal Bandwidth	<100 kHz
Communication Rate	$\leq$ 100 kB
EUT Power Supply	DC 110 V/3 A
Coupling Method	Lightning Arrester, Capacitor
Dimensions	19"/6U
Weight	20 kg