

CSS 500N2

8/20US CURRENT SURGE GENERATOR



FOR TESTS ACCORDING TO ...

- > EN 61000-4-5
- > IEC 61000-4-5

CURRENT SURGE SIMULATOR FOR AIRCRAFT TESTING

CSS 500N2 is an intelligent solution offering exactly what you need for full-compliant immunity tests against transient surge phenomena. The distinct operation features, convenient DUT connection facilities, a clearly arranged menu structure and display philosophy as well as the pre-programmed standard test routines make testing easy, reliable and safe.

The CSS 500N2 generates a surge current pulse with front time of 8us and with a pulse duration of 20us.

HIGHLIGHTS

- > Surge current 8/20us up to 1,200A
- > Built-in current monitor
- > Interlock
- > Warning lamp control
- > USB and GPIB interface
- > 3 switchable current ranges

APPLICATION AREAS



TECHNICAL DETAILS

CSS 500N2 CURRENT SURGE GENERATOR

CURRENT SURGE 8US/20US

Charging voltage	100 - 2,500V
Output current	Max. 1,200A +10%/-10%
Pulse front time	8us +20%/-20%
Pulse time to half value	20us +20%/-20%
Current range	Range I: 1 - 18 A Range II: 6 - 140 A Range III: 40 - 1,200 A
Repetition rate	1 - 100 s
Polarity	Positive/negative/alternating
Event counter	1 to 30,000 or endless selectable

TRIGGER

Automatic	Automatic pulse release
Manual	Single pulse release
External	External pulse release
CRO trigger	5V trigger signal for oscilloscope

OUTPUT

Direct	Banana plugs
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MEASUREMENTS

CRO I-monitor	Range I: 1V/A Range II: 100mV/A Range III: 10mV/A
CRO U-monitor	100mV/V, only for measuring residual voltages up to 500V on VDR's
Peak current meter	1,200A in the LCD display

TEST ROUTINES

Quick Start	Immediate start; easy to use and fast
User Test routines	Change polarity after n pulses, Change charging voltage after n pulses
Service	Service, setup, self test

INTERFACE

Serial interface	USB
Parallel interface	IEEE 488, addresses 1 to 30

SAFETY

Warning lamp	Floating output contact 250V/5A
Safety interlock	Security switch off

GENERAL DATA

Dimensions, weight	19"/6HU, approx. 25kg
Supply voltage	115V/230V +10/-15%
Fuses	2 x 2AT/4AT

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.