

ACS 500N2

SINGLE PHASE AC VOLTAGE SOURCE 2 KVA



FOR TESTS ACCORDING TO ...

- › EN 61000-3-2
- › EN 61000-3-3
- › IEC 61000-3-2
- › IEC 61000-3-3
- › JIS C 61000-3-2



ACS 500N2 is a single phase AC source, specifically designed for harmonics and flicker testing. It meets the corresponding specifications as per EN/IEC 61000-3-2 and EN/IEC 61000-3-3 as well as JIS C 61000-3-2.

ACS 500N2 provides the perfect sinusoidal and stable voltage signal specified to perform fully compliant harmonics and flicker analysis despite of the mains supply frequency and steadiness of the voltage.

HIGHLIGHTS

- › **FREQUENCY (FUND.) 10HZ .. 80HZ**
- › **VERY LOW DISTORTION (THD)**
- › **VERY HIGH VOLTAGE STABILITY**
- › **OUTPUT POWER MAX. 2,000VA**
- › **OUTPUT VOLTAGE MAX. 300V**
- › **HIGH OVERCURRENT CAPABILITY**
- › **INRUSH CURRENT CAPABILITY**
- › **REMOTE CONTROL VIA RS232**

APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  BROADCAST
-  RESIDENTIAL

TECHNICAL DETAILS

OUTPUT

Voltage range	0V to 300V
Voltage resolution	0.025% (12 bit)
Output frequency	10Hz to 80Hz
Frequency resolution	0.02Hz
Frequency accuracy, stability	100ppm
Output power	2,000VA
Output connector	Safety laboratory connectors
Output current, 50Hz	Continuous: 7.7A maximum RMS (max. 3s): 15.1A Repetitive peak: 60A
Output current, 60Hz	Continuous: 8.8A maximum RMS (max. 3s): 15.4A Repetitive peak: 60A

REGULATION

Voltage Sense	Internal or external, 4 wires
Total harmonic distortion	Less than 0.1%
Output voltage stability	Better than 0.1%
Output voltage accuracy	Better than 0.5%
Max. compensatable drop on wires	5% f.s.
Protection	Overcurrent Overtemperature Overvoltage Undervoltage

INPUT

Supply voltage	230V (L,N,PE)
Input current	16A
Line frequency	45Hz - 65Hz
Fuse	16A internal
Connector	16A

AMBIENT CONDITIONS

Temperature	0°C to 35°C
Rel. humidity	80%, non condensing

CONTROL

Interface	RS 232 9-pin SubD
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DIMENSIONS

Housing	19", 6HU
Weight	23kg
Size	287mm x 449mm x 500mm

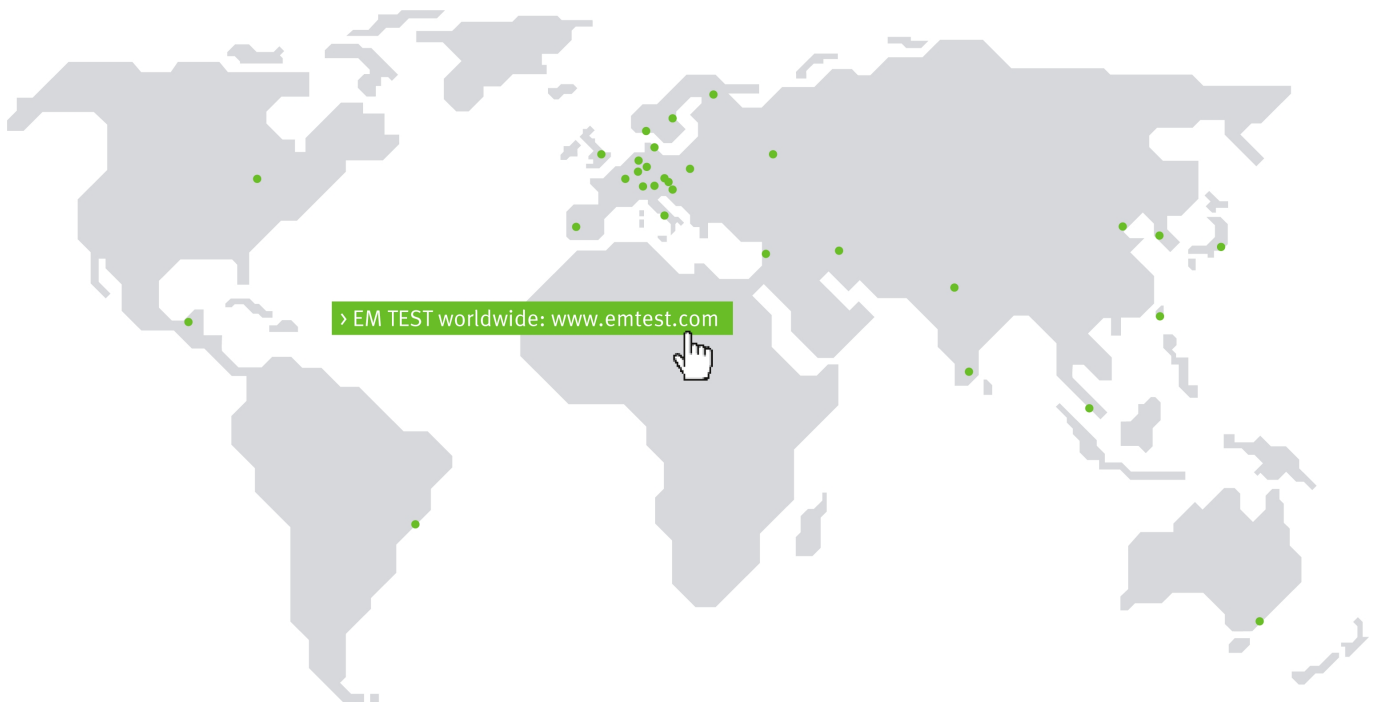
OPTIONS

DPA 500N	Harmonic and Flicker meter 16A
MRAC 25	25 HU rack with Safety Circuit

OTHER MODELS

ACS 500N6	AC voltage source, 6kVA
Output power	6,000VA
Input power	3x400V (3L,N,PE), 32A
Output current, 50Hz	Continuous: 24.0A maximum RMS (max. 3s): 47.0A
Output current, 60Hz	Continuous: 24.9A maximum RMS (max. 3s): 47.9A

COMPETENCE WHEREEVER 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.
 Technical data subject to change without further notice.