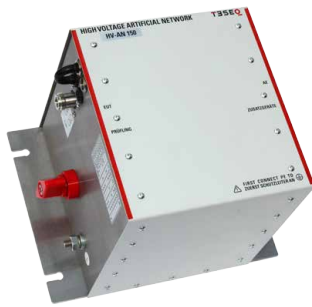




HV-AN 150 ARTIFICIAL NETWORK (AN) FOR AUTOMOTIVE, AIRBORNE AND MIL



- AN/LISN as defined in CISPR 12, CISPR 25 and ISO 7637-2
- HV-AN as defined in draft CISPR 12, draft CISPR 25 and draft ISO 7637-4
- LISN as defined in RTCA/DO-160G section 20
- 5 μ H LISN as defined in MIL-STD-461F

Teseq's artificial network HV-AN 150 is the first universal solution which covers several applications and standards in the Automotive, Airborne and MIL range. It offers the right solution for both high current and high voltage EUTs and can be housed for having a shielded box as proposed in the draft versions of CISPR 12, CISPR 25 and ISO 7637-4.

Mechanical specifications

Size (W x H x D):	180 mm x 180 mm x 230 mm
Weight:	approx. 4.2 kg

Technical specifications

EUT/AE sockets:	butterfly screw for binding posts with flat clamp (bolt diameter 8 mm)
RF socket:	N, 50 Ω
DC resistance (AE/EUT):	< 5 m Ω

Standard:	CISPR 12, CISPR 25, ISO 11452-4	CISPR 12 HV, CISPR 25 HV, ISO 7637-4	ISO 7637-2	CISPR 16-1-2 *1	MIL-STD-461F	DO 160G
Frequency range:	100 kHz to 100 MHz (max. 200 MHz)	100 kHz to 100 MHz (max. 200 MHz)	100 kHz to 100 MHz	150 kHz to 108 MHz (max. 200 MHz)	150 kHz to 30 MHz (max. 200 MHz)	10 kHz to 400 MHz
Power ratings (EUT/AE)						
AC max. voltage:	350 V	500 V	500 V	350 V	350 V	500 V *2
DC max. voltage:	700 V	1000 V	1000 V	700 V	700 V	1000 V *2
Current max.:	150 A, 60 min	150 A, 60 min	150 A, 60 min	150 A, 60 min	150 A, 60 min	150 A, 60 min
Test voltage:	1500 VDC, 2 s	1500 VDC, 2 s	1500 VDC, 2 s	1500 VDC, 2 s	1500 VDC, 2 s	1500 VDC, 2 s
Simulated impedance (EUT):	5 μ H 47.6 Ω	5 μ H 47.6 Ω	5 μ H 49.5 Ω	5 μ H + 1 Ω 47.6 Ω	5 μ H 49.5 Ω	5 μ H 49.5 Ω
Max. Limits:	\pm 20% (magnitude)	\pm 20% (magnitude)	\pm 10% (magnitude)	\pm 20% (magnitude) \pm 11.5 deg (phase)	\pm 20% (magnitude)	\pm 20% (magnitude) 100 kHz to 150 MHz, special limits above and below

*1 The isolation specification of CISPR 16-1-2 requires a dedicated network for this standard only.

*2 dependent on external 10 μ F capacitor

HV-AN 150

ARTIFICIAL NETWORK (AN) FOR AUTOMOTIVE, AIRBORNE AND MIL



HV-AN 150, view to the EUT port



HV-AN 150, view to the AE port

Model No. and options

Part number	Description
253552	HV-AN 150 5 μ H high voltage artificial network, unshielded, butterfly screw, for Automotive, Airborne and MIL
253553	HV-AN S150 5 μ H high voltage artificial network, shielded, push pull HV series connector, draft of CISPR 12, CISPR 25 and ISO 7637-4

Teseq GmbH

Landsberger Str. 255 · 12623 Berlin · Germany
T +49 30 56 59 88 35 F +49 30 56 59 88 34
desales@teseq.com www.teseq.com

© August 2014 Teseq®

Specifications subject to change without notice. Teseq® is an ISO-registered company. Its products are designed and manufactured under the strict quality and environmental requirements of the ISO 9001. This document has been carefully checked. However, Teseq® does not assume any liability for errors or inaccuracies.

82-253552 E01 August 2014