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EMC & SAFETY

L.I.S.N.
Line Impedance
Stabilization Network



LS-16 / LT-32 / LT-100 / LT-200 / LT-400 Line Impedance Stabilization Network (L.I.S.N.)

All our LISN's are multi-line Impedance Stabilization Networks (LISN) also known as V-Networks ($50\mu\text{H}+5\Omega$)/ 50Ω or $50\mu\text{H}/50\Omega$, constructed in full compliance with CISPR 16 and VDE0876. One of the main objectives of a LISN as specified in CISPR 16 is to guarantee good test repetition in RFI Voltage measurements.

Most of our LISN's use air-core inductors and have all been dimensioned so to provide excellent heat dissipation. These V-Networks are completed with an artificial hand as well as a PE simulating network.

Our model LS-16C allows to perform traditional RFI conducted testing as well as click (discontinuous interference, in accordance to EN55014) analysis.

In particular, combined with our CL55C or CL55C/IF Click Analysers, it enables measurement of the DUT current absorption.

Technical Specifications					
	LS-16/LS-16C	LT-32	LT-100	LT-200	LT-400
Frequency Range	9kHz-30MHz	9kHz-30MHz	150kHz-30MHz	150kHz-30MHz	150kHz-30MHz
Impedance Characteristics of V-Networks	$(50\mu\text{H}+5\Omega)/50\Omega$	$(50\mu\text{H}+5\Omega)/50\Omega$	$50\mu\text{H}/50\Omega$	$50\mu\text{H}/50\Omega$	$50\mu\text{H}/50\Omega$
Number of Phases	1+N	3+N	3+N	3+N	3+N
Rated Current	2x16A	4x32A	4x100A	4x200A	4x400A
Max Current (10s)	2x32A	4x64A	4x200A	4x400A	4x800A
Max AC Voltage	250 V rms	250 V rms	250 V rms	250 V rms	250 V rms
Artificial Hand	yes	yes	no	no	no
Operating Temperature	0 to 45°C	0 to 45°C	0 to 45°C	0 to 45°C	0 to 45°C
Storage Temperature	-20° to 70°C	-20° to 70°C	-20° to 70°C	-20° to 70°C	-20° to 70°C
Dimensions (mm)	342x177x436	450x266x436	450x266x436	534x500x430	600x600x1200
Weight	12 kg.	28 kg.	35 kg.	55 kg.	75 kg.

