Line Impedance Stabilization Networks / Artificial Mains
CISPR 16-1-2 : 2014 , Single Phase / Two Wire, 16 A to 200 A

LISN (Artifical Mains Network) is a low-pass filter typically placed between an AC or DC power source and the EUT (Equipment Under Test) to create a known impedance as per complying standard for the measurement of conducted emission. It also isolates the unwanted RF signals from the power source with pre-filter included. It provides a Radio frequency (RF) noise measurement port.

LISN is used to predict conducted emission for diagnostic, pre-compliance and compliance testing.

Scientific designs and manufactures models in compliance with CISPR 16-1-2 : 2014, EN, ANSI C63.4, FCC, ETS, VCCI and VDE, MIL461E/F standards and automotive for measurements in commonly used Standards.

These LISNs are Single Phase, 2 Wire networks. Appropriate line can be selected by a rotary switch. The other line will be terminated internally with 50Ω.

Artificial Hand simulation 510Ω + 220pF impedance in accordance with CISPR 16-1-2 : 2014 is provided. Standard Input and Output terminals provided are CEE Sockets, however optional wing terminal and SUPERCON connectors can be ordered.

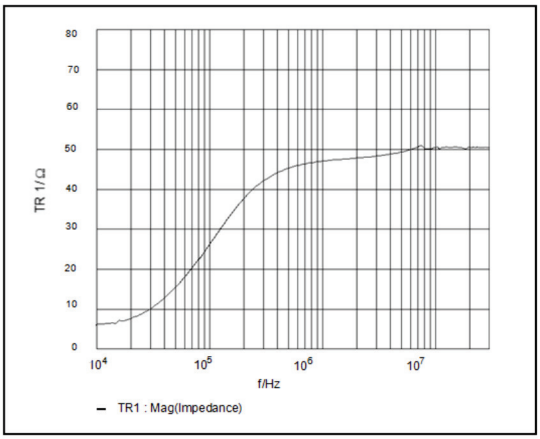
A transient limiter is highly recommended to use with LISN at the front end of EMI Rx or Spectrum Analyzer to protect measuring instrument from transients.

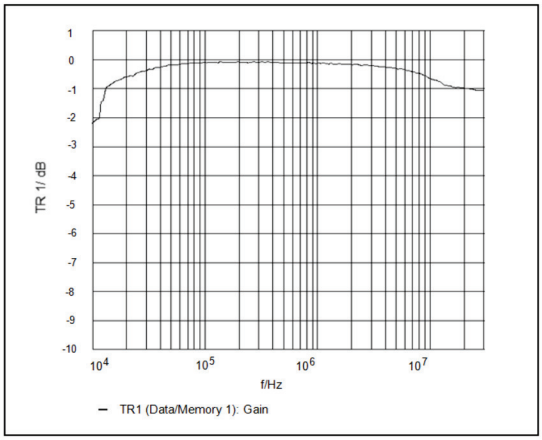
Technical Specifications

Model	LIN16-2	LIN32- 2	LIN63-2	LIN100-2	LIN200-2
Frequency Range	9 kHz – 30 MHz			150 kHz (9 kHz) – 30 MHz (9 kHz with Pre-Filter Choke)	
Maximum Load Current					
Continuous	16 A	32 A	63 A	100 A	200 A
Peak Current (15 min)	18 A	45 A	80 A	120 A	225 A
Maximum Input Voltage					
DC	600 V				
AC @ 50/60 Hz	300 V				
AMN Impedance	(50 µH + 5 Ω) || 50 Ω ± 20 %				
Pre-Filter Choke	250 µH			Optional	
Standard Reference	CISPR 16-1-2 : 2014, ANSI 63.4, FCC				
RF Output	BNC (F) Connector 50 Ω to connect RF output to EMI receiver, Optional : N Type (F) Connector Switch selectable for Line and Neutral				
Artificial Hand	510 Ω + 220 pF, 4 mm banana connector				
Mains Input & Output Terminals (EUT)	Schuko		CEE (Complying to IEC 60309)	Wing Terminal	
	Optional : Supercon / Wing Terminal				

Available Options :

- High Voltage 1 kV DC / 750 Vac with Wing Terminals
- CM DM measurement built-in option (with modification in LISN for the application)
- Transient Limiter
- Remote Control option
- Calibration Certificate traceable to ISO/IEC 17025 standard





Subject to change

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