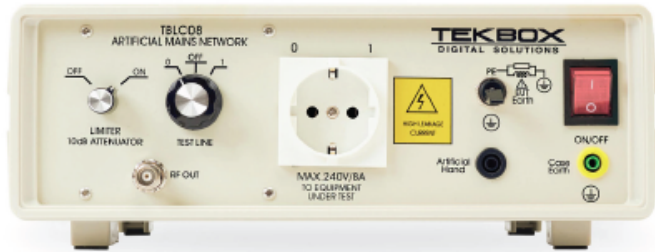


50 μ H LISN for Tektronix EMC pre-compliance

EMI-LISN50UH (TEKBOX TBLC08 offered by Tektronix)



The EMI-LISN50UH is the TEKBOX TBLC08 50 μ H Line Impedance Stabilization Network (LISN) for the measurement of line-conducted interference within the range of 9 kHz to 30 MHz, according to the CISPR16 standard. The device is designed for testing single phase, AC-powered equipment with supply voltages up to maximum 260 V. Conducted noise can be measured on the phase and on the neutral conductor. The TBLC08 is equipped with a switchable limiter/attenuator and an artificial hand connection. Three models are available with country-specific DUT connectors.

Key features

- Frequency range: 9 kHz to 30 MHz
- Impedance: 50 Ω || (50 μ H + 5 Ω)

- Artificial hand: 220 pF + 511 Ω
- Switchable PE: 50 Ω || 50 μ H
- Limiter / attenuator: 150 kHz to 30 MHz; 10 dB
- Air core inductors
- Line voltage: max. 240V / 50 – 60 Hz, CAT II
- Max. current: 8A @ 23°C
- DUT socket: country specific
- Measurement connector: 50 Ω BNC
- Power connector: IEC 60320 C13
- Operating Temperature Range: +5 °C to +40 °C; 5% to 80% RH
- Safety Class I, IEC 1010-01

Applications

EMC pre-compliance testing of conducted noise

Specifications

50 μ H LISN

Frequency range	9 kHz –30 MHz
Impedance	50 Ω (50 μ H + 5 Ω)
Artificial hand	220 pF + 511 Ω
Switchable PE	50 Ω 50 μ H
Limiters / attenuator	150 kHz to 30 MHz; 10 dB
Line voltage	Maximum 240 V / 50-60 Hz, CAT II20 pF + 511 Ω
Maximum current	8 A at 23°C; Fuses: 8A, slow
DUT socket	Country specific (EU, US, GB options available)
Measurement connector	50 Ω BNC
Power connector	IEC 60320 C13
Operating temperature range	+5 °C to +40 °C; 5% to 80% RH
Safety	Class I, IEC 1010-01

Ordering information

EMI-LISN50UH LISN

This product is not available in Canada.

Item	Description
EMI-LISN50UH-EU	50uH AC line impedance stabilization network to test devices that use an EU (European) Schuko CE7/4 power plug, 240V Max
EMI-LISN50UH-GB	50uH AC line impedance stabilization network to test devices that use a GB (Great Britain) BS1363 power plug, 240V Max
EMI-LISN50UH-US	50uH AC line impedance stabilization network to test devices that use a US (United States) NEMA 5-15 power plug, 120V Max

Service

All service provided by TEKBOX Digital Solutions. Contact <https://www.tekbox.net/> for product information and service.

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For Further Information. Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tek.com.

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