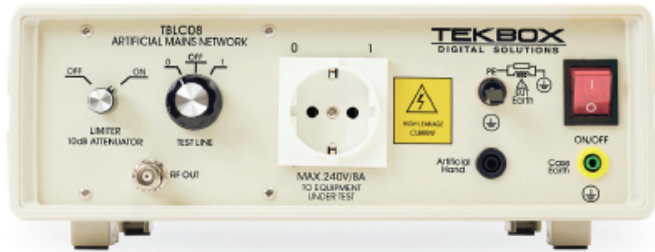


# 50 $\mu$ H LISN for Tektronix EMC pre-compliance

## EMI-LISN50UH (TEKBOX TBLC08 offered by Tektronix)



The EMI-LISN50UH is the TEKBOX TBLC08 50 $\mu$ 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  $\Omega$  || (50  $\mu$ H + 5  $\Omega$ )

- Artificial hand: 220 pF + 511  $\Omega$
- Switchable PE: 50  $\Omega$  || 50  $\mu$ 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  $\Omega$  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 $\mu$ H LISN

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

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## 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](http://www.tek.com).

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