

Baytems Model S3010 CISPR 16 / EN 55016-1-2 LISN

Product Overview



- LISN as per CISPR 16 and EN 55016-1-2 standards
- Two phases (live and neutral)
- Switchable high pass filter, attenuator, and limiter integrated
- Remote control
- NEMA or Schuko connectors
- Artificial hand simulation
- Robust and stable design

The Baytems Model S3010 Line Impedance Stabilization Network (LISN) meets standards CISPR 16 and EN 55016-1-2. It contains saturation free air core coils and features an artificial hand simulation.

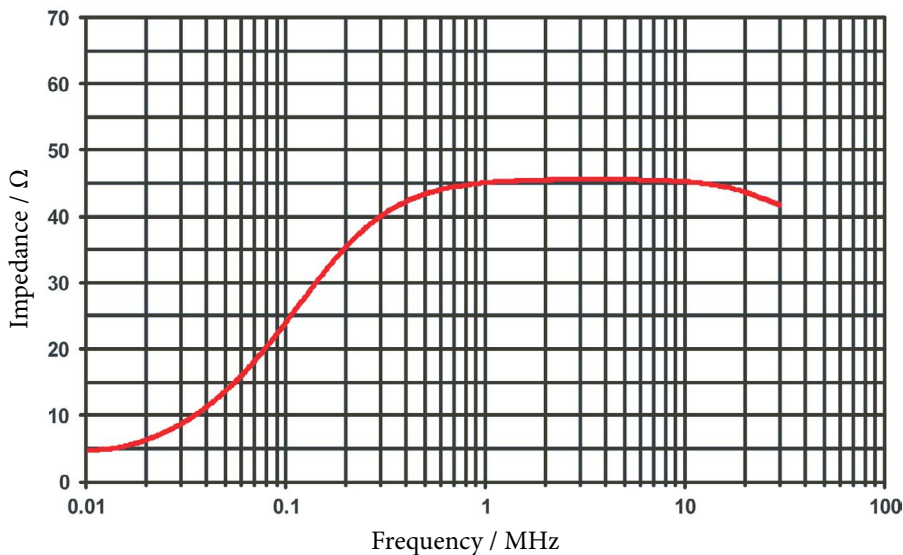
Conducted emission on AC power lines, which are typically generated by electrical equipment, can be verified with the help of a LISN together with a spectrum analyzer or EMC receiver. In principle, the Baytems Model S3010 LISN is a precision filter network for high currents. The EUT is connected to power lines through a low pass filter. The LISN also presents a well-defined impedance to the signal.

When working with a spectrum analyzer or EMC receiver it is highly recommended to enable the built-in transient limiter of the Model S3010 or use an external limiter.

baytems.com/go/lisn 



Typical impedance



Technical specifications

Frequency range	9 kHz — 30 MHz
Standard	CISPR 16 / EN 55016-1-2
Maximum current	16 A
Maximum voltage	250 VAC / 350 VDC
Network type	50 Ω // 50 μ H \pm 20%
DC resistance	typ. 130 m Ω
Attenuator	10 dB
Limiter threshold	typ. 1.5 V
High pass filter frequency	150 kHz
Monitor port impedance	50 Ω

Operating environment	5 — 35 $^{\circ}$ C, RH 0 — 80 %
Storage environment	-40 — 70 $^{\circ}$ C
Dimensions W x H x D	165 x 62 x 270 mm
Weight	1.7 kg
Monitor connector	BNC
Power input connector	IEC 320-C20
Power output connector	NEMA or Schuko
Ground connectors	4 mm binding posts
Remote connector	D-SUB 9
Warranty	1 year

Ordering information

S3010-A LISN Model S3010

Accessories included

Power cord, manual, and calibration certificate.

Options

- 001 NEMA connectors
- 002 Schuko connectors



Front panel view



Back panel view

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