

## Baytems Model S3020 MIL-STD-461E/F LISN

### Product Overview



- LISN as per MIL-STD-461E/F
- Two phases (live and neutral)
- Switchable high pass filter, attenuator, and limiter integrated
- Remote control
- MIL-DTL-5015 connectors for power input and output
- Robust and stable design

The Baytems Model S3020 is specially designed for the measurement of mains disturbances on medium power equipment according to MIL-STD-461E/F. The continuous current capacity is up to 16 A and the device is suitable for AC and DC operated EUTs.

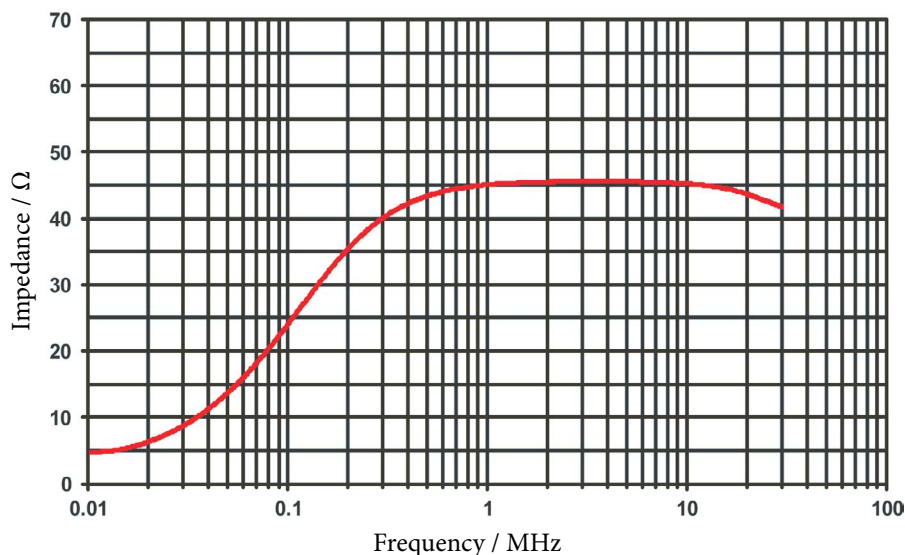
Line Impedance Stabilization Networks are specialized low pass filtered networks used to measure common mode conducted emissions from power lines. The LISN must maintain a characteristic impedance to the EUT and isolate the EUT from unwanted RF signals on both DC and AC power sources while allowing the necessary voltage and current to be delivered to the EUT. The LISN provides a 50  $\Omega$  shunt output impedance for the measurement of RF emissions produced by the EUT.

When working with a spectrum analyzer or EMC receiver it is highly recommended to enable the built-in transient limiter of the Model S3020 or use an external limiter.

[baytems.com/go/lisn](http://baytems.com/go/lisn) ➔



## Typical impedance



## Technical specifications

Frequency range	9 kHz — 30 MHz
Standard	MIL-STD-461E/F
Maximum current	16 A
Maximum voltage	250 VAC / 350 VDC
Network type	50 Ω // 50 μH ± 20%
DC resistance	typ. 130 mΩ
Attenuator	10 dB
Limiter threshold	typ. 1.5 V
High pass filter frequency	150 kHz
Monitor port impedance	50 Ω

Operating environment	5 — 35 °C, RH 0 — 80 %
Storage environment	-40 — 70 °C
Dimensions W x H x D	165 x 62 x 270 mm
Weight	1.7 kg
Monitor connector	BNC
Power connectors	MIL-DTL-5015
Ground connectors	4 mm binding posts
Remote connector	D-SUB 9
Warranty	1 year

## Ordering information

S3020-A LISN Model S3020

## Accessories included

Manual and calibration certificate.



Front panel view



Back panel view

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