

SHC-1/1000

SHC-2/1000

CISPR Passive Probes



Main Features

- 9 kHz to 30 MHz frequency range
- CISPR 16-1-2 compliant
- Suitable for lines up to 1000 Vac - 1500 Vdc
- 30 or 35 dB insertion loss
- Interchangeable, robust contact tip and alligator clip

According to main EMC standards - CISPR, MIL-STD, IEEE/ANSI, etc. - the Voltage Passive probes are ancillaries equipment specifically designed for the measurement of conducted disturbances when a LISN cannot be used, e.g. because the EUT requires currents exceeding the capabilities of available LISNs.

As several generic and product standards may require the use of Voltage Passive Probes, they are a must in a well equipped EMC lab and on the test bench of any design engineer. A passive probe connected to the RF input of an EMI receiver, allows picking-up the RF disturbance signal from the line under investigation. It also provides a standardized impedance as well as blocking the main AC/DC voltage and, thanks to the signal attenuation, it protects the receiver front-end from saturation and damages.

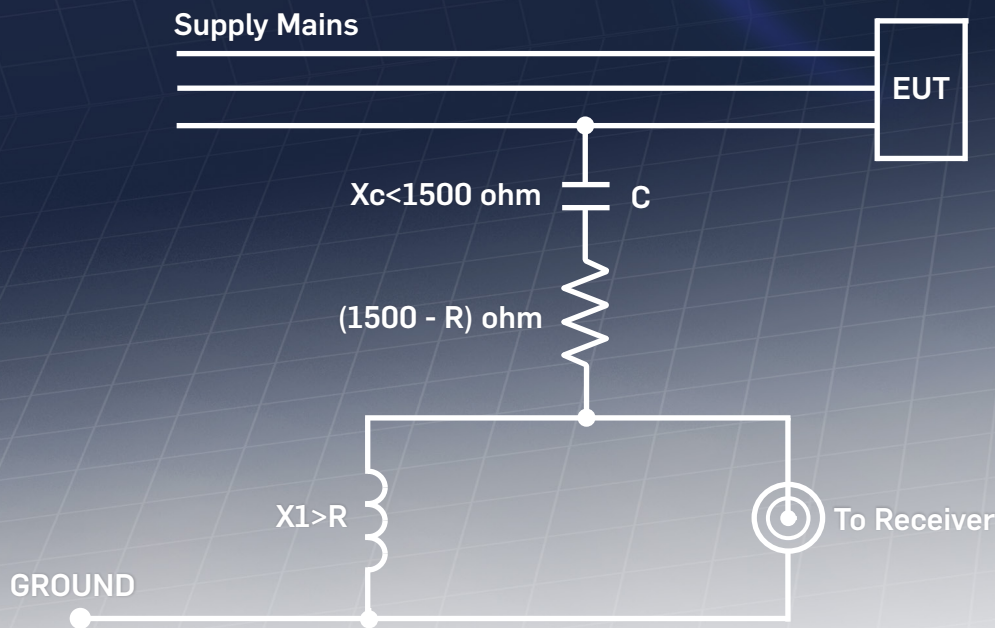
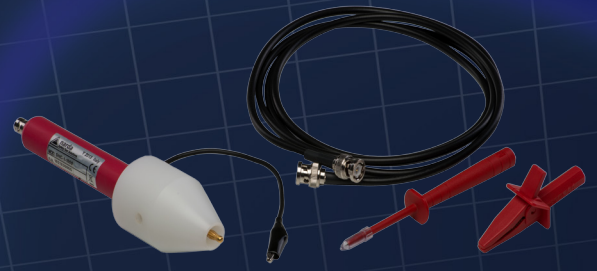
When operating the voltage probes, the User shall always remember to implement all the necessary safety measures in relation with the AC or DC line voltages.

SHC-1/1000, SHC-2/1000

Passive probes

SPECIFICATIONS

| | |
|---|--|
| Frequency range | 9 kHz to 30 MHz |
| Input resistance | 1500 Ω \pm 80 Ω |
| Input reactance | < 1500 Ω (< 1200 Ω typical) |
| Insertion Loss | SHC-1/1000 35 dB \pm 1.5 dB SHC-2/1000 30 dB \pm 1.5 dB |
| RF Output | 50 Ω BNC female |
| Max permissible input operating voltage | 1000 Vac; 1500 Vdc |
| EUT Terminal | 4 mm jack with alligator and probe tip |
| Ground connection | Alligator Clip |
| Operating temperature | 0 $^{\circ}$ C to +45 $^{\circ}$ C |
| Storage temperature | -25 $^{\circ}$ C to +70 $^{\circ}$ C |
| Dimensions WxHxD | 45 x 45 x 200 mm |
| Weight | 0,25 kg |



Ordering Information:

SHC-1/1000 Passive Probe

Includes: Operating Manual, Carrying Case 170/30N, BNC-BNC Cable 2 m, Red Test Alligator Clip, Red Test Probe Tip and Safety Cap, Calibration Certificate.

SHC-2/1000 Passive Probe

Includes: Operating Manual, Carrying Case 170/30N, BNC-BNC Cable 2 m, Black Test Alligator Clip, Black Test Probe Tip and Safety Cap, Calibration Certificate.

Related Products

Receivers

- 7010/00: EMI receiver 150 kHz to 1 GHz
- 7010/01: EMI receiver 9 kHz to 1 GHz
- 7010/02: EMI receiver 9 kHz to 30 MHz
- 7010/03: EMI receiver 9 kHz to 3 GHz
- 9010: EMI receiver 10 Hz to 30 MHz
- 9010F: EMI receiver 10 Hz to 30 MHz
- 9010/03P: EMI receiver 10 Hz to 300 MHz
- 9010/30P: EMI receiver 10 Hz to 3 GHz
- 9010/60P: EMI receiver 10 Hz to 6 GHz

LISN

- L2-16B: single phase AMN, 16 A
- L3-32: 4 lines, 3-phase AMN, 32 A
- L3-64: 4 lines, 3-phase AMN, 63 A
- L3-64/690: 4 lines, 3-phase AMN, 63A
- L3-100: 4 lines, 3-phase AMN, 100 A
- L1-150M: single-path, 50 Ohm AMN, 150 A
- L1-150M1: single-path, 50 Ohm AMN, 150 A
- L1-500: single phase AMN, 500A
- L3-500: 4 lines, 3-phase AMN, 500 A
- L2-D: Delta LISN for telecom, 2 A, 150 Ω

RFI Filters

- FIL-L2-16F: single phase RFI filter, 16 A
- FIL-L2-24M: single phase RFI filter, 24 A
- FIL-L3-32M: 3-phase+neutral RFI filter, 32 A
- FIL-L3-70M: 3-phase+neutral RFI filter, 70 A



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