

# Hand-Held EMI Adapter for Power Lines

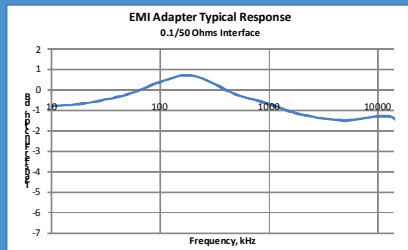
Measure Power Line Noise with Your Oscilloscope or Spectrum Analyzer

Power lines often carry high-frequency noise (EMI). This noise causes multiple problems for equipment operation and sometimes leads to component damage. OnFILTER' hand-held EMI Adapter provides easy way to observe noise on power lines with your oscilloscope, spectrum analyzer or any other instrument without exposing them to high voltage from the power lines

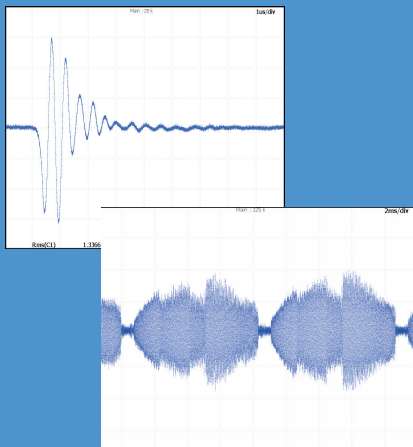
OnFILTER' hand-held EMI Adapter is equipped with the test leads that allow connection to both electrical receptacles of different types and to connections in the electrical distribution boxes. EMI adapter separates high-frequency signals from power line voltage and provides 50 Ohms output via BNC connector. You can observe waveforms of noise on the screen of your oscilloscope or analyze noise spectrum with your spectrum analyzer.



## Typical Frequency Response



## Typical Waveforms of Noise on Power Line



## EMI Power Line "Probe"

Your oscilloscope, spectrum analyzer or signal strength meter is now capable of measuring high-frequency signals riding on your power lines

## Power Line Isolation

EMI Adapter provides isolation from high voltage on power lines so that your instrument is not exposed to high voltage

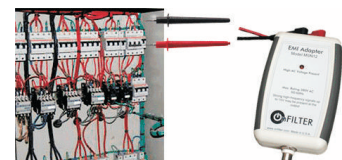
## Noise Measurements Between Any Points

Hand-held EMI Adapter allows measurements of noise between any points as long as voltage does not exceed 380V. This allows for great flexibility while protecting your equipment.

## Overvoltage Protection

Noise on power lines, especially transient spikes, can reach significant amplitude. EMI Adapter has special protective circuit limiting such spikes to no more than 15V of either polarity without sacrificing its performance at lower amplitudes

## Hand-Held EMI Adapter for Power Lines Model MSN12



Typical application



**OnFILTER, Inc.**  
 3601-B Caldwell Dr.  
 Soquel, CA 95073 U.S.A.  
 Tel. +1.831.824.4052  
 FAX +1.206.350.7458  
 www.onfilter.com  
 info@onfilter.com

