

Hand-Held EMI Adapter for Power Lines

Measure Power Line Noise with Your Oscilloscope or Spectrum Analyzer

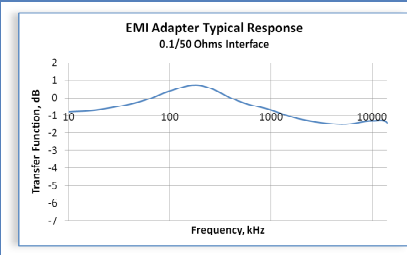
Power lines often carry high-frequency noise (EMI), This noise causes multiple problems for equipment operation and sometimes leads to component damage. OnFILTER' hand-held EMI Adapter provides easy way to observe noise on power lines with your oscilloscope, spectrum analyzer or any other instrument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

OnFILTER' hand-held MSN12 is equipped with the test leads that allow for measurements in electrical receptacles of different types and in connections in the electrical distribution boxes. MSN12 completely blocks 50/60Hz AC mains voltage and provides only high-frequency signals from power line via its 50 Ohms output. You can observe waveforms of noise on the screen of your oscilloscope or analyze noise spectrum with your spectrum analyzer.

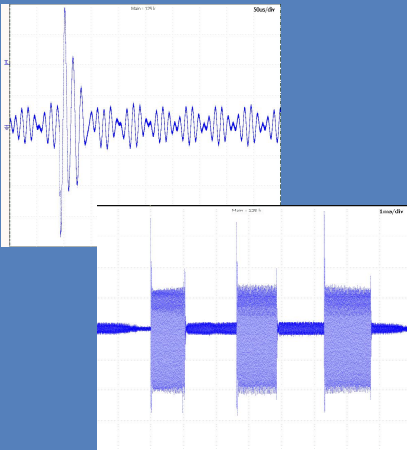
MSN12 utilized true balanced input and offers complete galvanic isolation from high-voltage power line.



Typical Frequency Response 1/50 Ohm Environment



Noise on Power Lines or Line Communication



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

MSN12 provides isolation from high voltage on power lines so that your instrument is not exposed to high voltage

Balanced Input

MSN12 offers true balanced input reducing errors from ground coupling of your oscilloscope or spectrum analyzer

Noise Measurements Between Any Points

Hand-held MSN12 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. MSN12 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



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