

Plug-In 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's plug-in 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

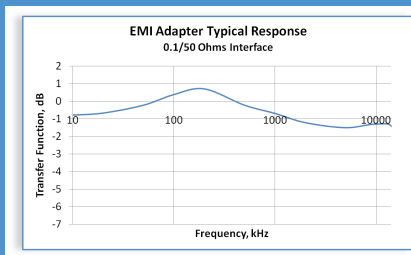
OnFILTER's plug-in EMI Adapter plugged into your power outlet separates high-frequency signals from power line voltage and provides 50 Ohms output via BNC connector. You can observe waveforms of noise on the screen of your oscilloscope or analyze noise spectrum with your spectrum analyzer.

EMI Adapter can be switched between differential (normal) and common mode settings providing complete information to your instrument.

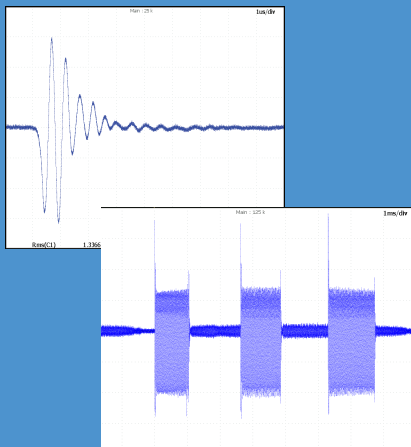


EMI Adapter MSN01 was named among 100 Hot Products of the 2011 by EDN Magazine

Typical Frequency Response



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

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

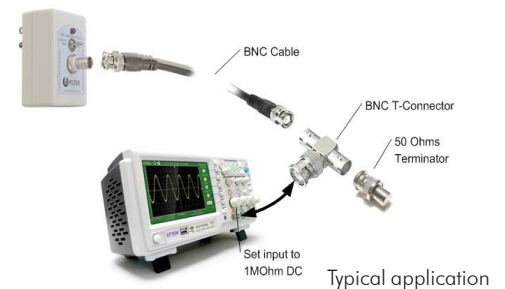
Differential and Common Mode

EMI Adapter is easily switched between differential (i.e. live/neutral) and common mode (i.e. live+neutral/ground) measurements

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

Plug-In EMI Adapter for Power Lines Model MSN01



Typical application



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