

# EMI Adapter for Power Lines

## Measure Power Line Noise with Your Oscilloscope or Spectrum Analyzer

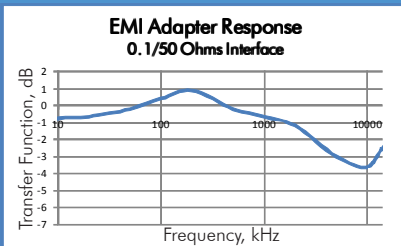
Power lines often carry high-frequency noise (EMI). This noise causes multiple problems for equipment operation and sometimes leads to component damage. OnFILTER' EMI Adapter provides easy way to connect your oscilloscope, spectrum analyzer or any other instrument via the BNC connector without exposing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

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

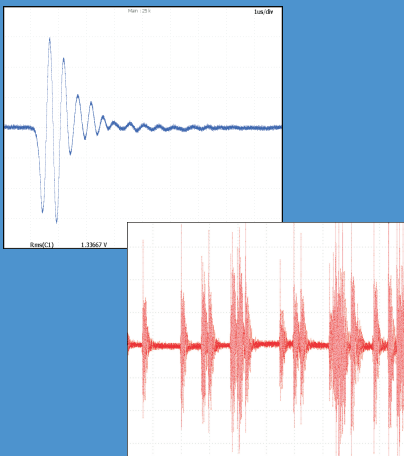
EMI Adapter can be switched between differential (normal) and common mode settings providing complete information to your instrument.



### 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 50/60Hz 110/250V 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

## EMI Adapter for Power Lines Model MSN01



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