

X-10 Signal Meter

The indispensable tool for working with X-10 power line signaling installations

Features

The ESM1 measures received X-10 signals over the AC power line and indicates if the signals are strong and valid. It also detects these common problems:

- Signal too low.
- Signal not present.
- Noise Interference.
- Line already in use.
- Signal corrupted.

Specifications

- Operating Line Voltage: 120VAC, 60 Hz.
- Sensitivity: 100mV to 5.0V max. +/- 10%.
- Method of Measurement: Peak-to-Peak.
- Frequency Detected: 120 kHz +/- 10%.
- X10 Codes validated on: Start Code, Alternating Bit Patterns, Total Bit Count.
- Meter Dimensions: 2.5" w x 2.5" h x 1.0"d.
- Total Weight: 3.5 oz..



The ESM1 is the best value choice for test tools. The ESM1 is half the price of most test tools on the market, yet is 90 percent as useful as the others.

The X-10 Technician's Best Friend: The ESM1 Signal Meter plugs into any 120VAC outlet and displays signal strength of any activity at the X-10 frequency on the power line. The green X-10 light indicates whether good X-10 traffic is being received, while the red bar graph lights display the relative signal strength. It displays signals between 100mV and 5 volts (the maximum specified X-10 signal strength). Noise or interference on the power line is indicated by bar graph activity without a GREEN light. For a whole house test, use the X-10 transmitter of your choice to continuously send an X-10 transmission. (i.e. ELK Magic Module, ELK-MM443). Then move the ESM1 to various AC receptacles located around the house to verify the signal.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules.

X-10 is a registered trademark of X10 USA.

Features and Specifications subject to change without notice.

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