

CANARY instruments

Residential Energy Education Monitor

Reliable & Accurate Home Energy Data



How it works:

- The Display changes color depending on power usage.
- Colors change from green (very low usage) to yellow, orange, red, and fuchsia (very high usage).
- The left side of the Display changes based upon instantaneous power.
- The right side of the Display changes based upon energy usage and resets every midnight.
- Color levels can be adjusted based on:
 - Monthly averages
 - Household type, size, and location
 - Solar budget
 - Conservation goals
 - Seasonal changes and other customizations
- The Controller and Display communicate via WiFi.
- The Controller is installed in the circuit breaker box and tracks, records, and interprets power data.



Hundreds of installations in Net Zero multifamily housing.

Custom Product Development Partnerships

We're expanding the capabilities of the Energy Education Monitor to include water monitoring and budgeting to help tenants and home owners reduce their waste.
Interested? Contact us.

Ph: 707-506-6611 | info@canaryinstruments.com

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Currents, voltage, and phase angles measured through five channels.

Measures and records total residential power plus three specialty lines.

Timestamp and per second data storage for all channels.

Fabricated in North America from ISO 9001 certified components and manufacturers.

Individualized testing and calibration for each device and CT sensor.

Over 10,000 hours of rigorous testing.

Quality Data Collection

Specifications

Resolution per channel: 11 bits (2048 levels)

Granularity per level: 0.015A (30A sensor)

Raw sampling rate: 144,000 samples/second (144 KSPS)

Signal processed sample rate per line: 18 KSPS

Corner frequency: ~360 Hz

1KHz attenuation: ~10 dB

Pre-calibration linearity: 3% (above 10% load)

Accuracy: 99% on a minute by minute basis above 10% load.

Cumulative data storage: 10 years (4GB microSD)

Controller Dimensions: H:1.77" x W:3.10" x D:4.61"

Display Dimensions: H:4.5" x W:4" x D:1.56"

Call or Email for a Quote

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