

# AC Current and Voltage Data Logger with Display



OM-DVCV



- ✓ Measures AC Current up to 300A and Voltage up to 600V
- ✓ Text Display: Real Time Measurements, Logging Summary, Sample Rate, Memory Used and Memory Left
- ✓ Graph Display: Shows Measurement Trends with Scrolling Feature
- ✓ Visual Over and Under Alarm Indicators
- ✓ USB Connection
- ✓ Compatible with Windows® XP, Vista, 7, 8 and 10 (32-Bit and 64-Bit)
- ✓ Ideal for MRO Studies, Industrial Processes, Troubleshooting Electrical Problems

OM-DVCV shown actual size.

The OM-DVCV is a self-contained, precision instrument for recording AC current and AC voltage.

The OM-DVCV can record voltage up to 600 Vac and current up to 300 Aac. The OM-DVCV records true RMS AC current and AC voltage. It measures RMS signals up to the 21st harmonic at 60 Hz. The OM-DVCV can store up to 21,672 points when recording both voltage and current. It can store up to 43,344 samples when recording only voltage or only current.

The OM-DVCV features a display that allows the user to see measured current, voltage and power (in Watts). In addition, the unit graphs the current and voltage that has been logged during the current logging session. A summary screen shows information about the logging session, such as the logging rate, the number of samples recorded, the length of the recording and the amount of time left for recording.

Easy-to-use Windows software is included with the OM-DVCV. The software is a full-featured program that allows you to set-up all data logger functions including sampling rate, logging duration, start mode, logging mode, and high and low alarm values. Once data has been logged, the program then allows you to download data from the logger, plot the data and export the data to an ASCII text or Excel® file format for further analysis.

## Specifications

### DATA LOGGER

**Measurement Type:** True RMS up to the 21st harmonic at 60 Hz

#### Current:

**Range:** 1 to 300 Aac

**Accuracy:**  $\pm 1.0$  A

**Resolution:** 0.2 A

#### Voltage:

**Range:** 1 to 600 Vac

**Accuracy:**  $\pm 0.4$  V

**Resolution:** 0.2V

**Text Display:** Displays real time current, voltage and watts; displays logging summary, sample rate, memory used and memory left

**Graph Display:** Shows measurement trends graphically; graph can be scrolled through the entire logged data

**Sample Point Capacity:** 43,344 points for current or voltage only; 21,672 points for current and voltage



**Alarms:** Visual over and under alarm indicator for current and voltage; watts alarms are not available

**Calibration:** No user calibration is available

**Operating Temperature:** -10 to 65°C (15 to 150°F)

**Storage Temperature:** -20 to 70°C (-5 to 160°F)

**Time Accuracy:** ±100 ppm @ 24°C (75°F)

**Power:** Three "AA" batteries (included)

**Battery Life:** 1 year continuous use, 2 years average use; the logger automatically turns itself off after 1 hour, when not logging; turn on by pressing any button

**Dimensions:** 10.2 W x 7.7 H x 3.8 cm D (4 x 3.05 x 1.5")

**Weight:** 200 g (7.0 oz)

## SOFTWARE

**PC Interface:** USB port

**Sampling Interval:** User selectable from 1 second to 9 hours, in 1 second increments

**Operating System Compatibility:** Windows® XP, Vista, 7, 8 and 10 (32-bit and 64-bit)

**Recording Start:** On button press, immediate after set-up, or at a user specified date and time

**Recording Mode Stop:** On memory full, or continuous recording with memory rollover

**Real Time Status:** Visual indication through the status LED. Software real time status

**User Information:** Up to 30 characters

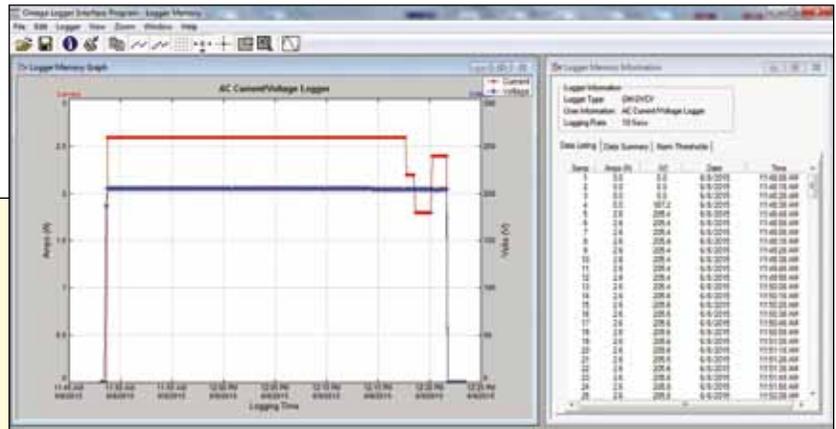
**Logger Channels:** User selectable; disabling channels increases the storage capacity of the other channels

**Units:** US and Metric

**Data Format:** Exportable to text or Excel® files



OM-DVCV with AC current clamp and voltage test leads (included) shown smaller than actual size.



Windows software (included) displays data in graphical and tabular format.

## To Order

Model No.	Description
OM-DVCV	AC current and voltage data logger with display

Comes complete with operator's manual and Windows software on CD ROM, 3 "AA" batteries, set of AC voltage and current probes and 1.8 m (6") USB interface cable.

**Ordering Example:** OM-DVCV AC current and voltage data logger with display and OCW-1 OMEGACARE 1-year extended warranty adds 1 year to standard 1-year warranty for a total of 2 years.



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.