

**ONEAC ONEGraph®:** As microprocessors become faster, smaller and more complex, their integrity becomes increasingly dependent upon power quality. Now your Field Service Engineers (FSEs) can possess comprehensive power quality information that lets them perform as though they were power experts.

### Higher Productivity from your FSEs

Up to now, most power monitors have been too difficult for most Field Service Engineers (FSEs) to use and understand. Professional power analysis has typically required flying in experts, generating rolls of tape and then spending hours to interpret the data.

The ONEGraph facilitates evaluation of the electrical environment—not just the collection of data! Best of all, it's so easy and it's portable so evaluations can be accomplished on-the-spot by your FSEs, who typically have not been trained to be power experts.

### Power Evaluation Made Easy and Accessible

The ONEGraph captures and displays events most likely to affect microprocessor reliability. It will print out Normal Mode and Common Mode Noise voltage graphs. The ONEGraph also prints out complete AC (RMS) voltage disturbance information, including time of day, duration and a graph showing the degree of voltage deviation from nominal.

### Generate Professional Power Reports

Your FSEs can interpret the ONEGraph's printout so easily that they have the capability of generating professional power evaluation reports, in real-time, at the customer site. The ONEGraph evaluation report utilizes a simple 8 1/2" x 11" graphic format—making it exceedingly easy to identify the peaks, patterns and trends.

### Communicate with Pictures

Armed with the capability to communicate with pictures, your FSEs can convey the significance of their reports to everyone, including non-technical recipients. Correlation with observed system problems is a snap. This format gives your FSEs the ability to fax reports back to headquarters and a convenient file for future reference. Imagine what this will do for your relationship with your customers, as well as your own bottom line!

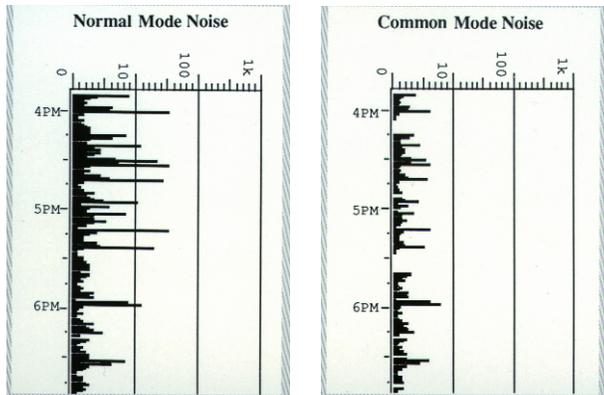


- **Simple, fast set-up:** sets up in 2 1/2 minutes. Just plug in the ONEGraph power and measurement cables, follow the menu and push start.
- **User-friendly:** communicates with pictures and generates professional power reports on-the-spot.
- **Higher productivity:** processing comprehensive power quality information, FSEs can perform as if they were power experts.
- **5-year warranty:** the best assurance of product quality and performance in the industry.

# ONEGraph: Specifications

## Peak Transient Noise Graphs

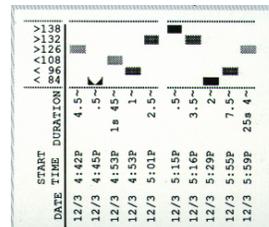
The ONEGraph records noise continuously. These graphs quickly identify the events most likely to destroy, degrade, or disrupt electronic systems, and determine their order of magnitude. For clarity, only the highest level events within the measurement time interval are shown, providing an intuitive graphic illustration of significant transient events. Normal Mode events are measured from (hot) line-to-neutral, and Common Mode events are measured from neutral-to-ground (earth).



Electrical noise, which is composed of transient events, falls in the range of 5 kHz to 5 MHz which is typically too fast for the human eye to recognize. The peak noise graph, pictured above, records these transients for you to easily view. Longer-term events are shown in the AC Voltage Disturbance Log.

## AC Voltage Disturbance Log

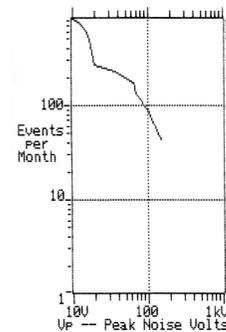
This graph shows disturbances to the AC (RMS) voltage, typically referred to as sags, brownouts, low-line, blackouts, notches, swells, or high-line conditions. The voltage level, time, and duration of the events are recorded and displayed; progressively darker marks indicate the increasing severity of disturbances.



The user can determine how tightly to monitor the AC (RMS) voltage by enabling or disabling the "Window" function. By turning the Window "OFF," deviations of less than 10% over or 20% under nominal AC voltage are ignored.

## Monthly Noise Trend

The ONEGraph not only monitors power anomalies in real-time, but it can also help you predict the incidence of transient noise events based on past history. This is displayed in a graph called the Monthly Noise Trend, or ONEGram, which predicts the number of events of given magnitudes.



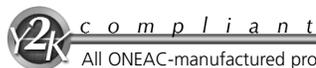
Expected number of events Per month (30 days) of a given voltage. An event is the peak noise per minute.

Model	ONEGraph
Power Requirements:	90-140/180-270 V @ 50/60 Hz, 950ma
AC Line Voltage (Line-to-Neutral):	11 user selectable nominal voltages from 100-250 V
Common & Normal Mode Noise Channels:	1,000/6,000 V, user-selectable; 5 kHz - 5 MHz filtering bandwidth
AC Input Connectors:	IEC-320
Backup Battery Rating:	3 ampere-hours, nominal
Report Time Scale:	8 hours/6 days, user-selectable
Carry Case:	Cordura, soft sided
Calibration Adjustments:	None
Dimensions H x W x L in. (cm)	6.5" x 12" x 11" (16.5 x 30.5 x 27.9)
Net/Shipping weight— lbs. (kg.)	10 (4.5) / 12 (5.4)

ONEAC test instruments are supplied with plugs suitable for the country where purchased. Should non-standard plugs be required, please state destination country on purchase order.

ONEGraph Accessories	Part #
Hard-Shell Carrying Case	431-167
Thermal Paper (5-pack)	439-012
Report Forms (25-pack)	930-032
Report Form Extra Inserts (25-pack)	930-034

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All ONEAC-manufactured products are Y2K compliant.

ONEAC is a UL/BSI registered corporation — Certification No. A2900



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