

ONEAC ONEView® Line Noise Viewing Interface: As integrated microelectronic circuitry becomes faster, more complex and more compact, it's vulnerability to power line noise correspondingly increases. So does the need to evaluate the electrical environment comprehensively, accurately, quickly and with minimum special "power" training. When used with an oscilloscope, ONEView is the perfect power quality line viewing tool for field service organizations, plant engineers and facilities personnel.

Your equipment requires noise-free power

Electricity carries not only the power to run your equipment, it also carries power spikes, surges and other disturbances known as "electrical noise." These disturbances pose a dangerous threat to the life span and proper operation of computers and other electronic devices.

Power evaluation made easy and accessible

With the ONEView, you can view potential troublemakers – in real-time – on the screen of any multi-channel oscilloscope. The ONEView conveniently and safely couples any power line to the input of a standard two- or three-channel oscilloscope where you can observe both the actual 50/60 Hz voltage waveform and examine, on a separate trace, the noise that's riding on it. You'll soon see that it's not always the clean sine wave you expect.

View disturbances easily

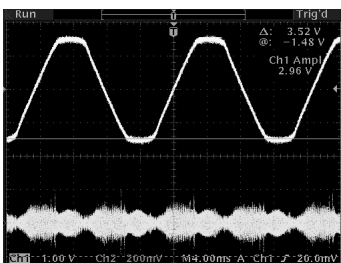
The ONEView can be used with any one-, two-, or three-channel oscilloscope. Using a three-channel oscilloscope will allow you to simultaneously examine both the normal- and common-mode noise, along with the normal-mode 50/60 Hz voltage waveform.

The real-time oscilloscope display permits accurate measurement of peak-to-peak noise voltages, providing immediate evaluation of noise reduction measures. ONEView can also be used to analyze normal-mode noise problems on two-wire power lines.

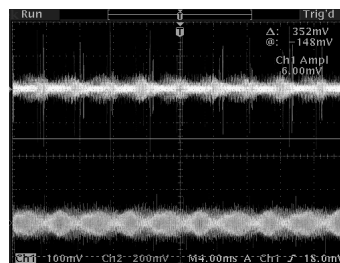


- **Analyze:** normal- and common-mode line noise and 50/60 Hz wave forms – simultaneously.
- **Evaluate:** visually, the improvements due to line conditioning
- **Compare:** immediately, the effectiveness of corrective devices
- **Predict:** the occurrence of future line noise
- **Fast set-up:** simply plug in the ONEView and its cables
- **Convenient & completely safe:** no bare wires or inconvenient probes
- **User-friendly:** view potential problems in real-time on the screen of any multi-channel oscilloscope.
- **Higher accuracy:** oscilloscope display permits exact measurement of peak-to-peak noise voltages.
- **5-year warranty:** the best assurance of product quality and reliability in the industry

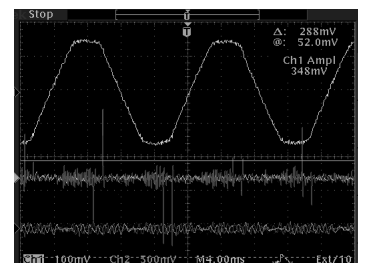
Multiple views of actual power line noise on a circuit as displayed on the screen of an oscilloscope using ONEAC's ONEView Line Noise Viewer



50/60 Hz voltage waveform and common-mode noise



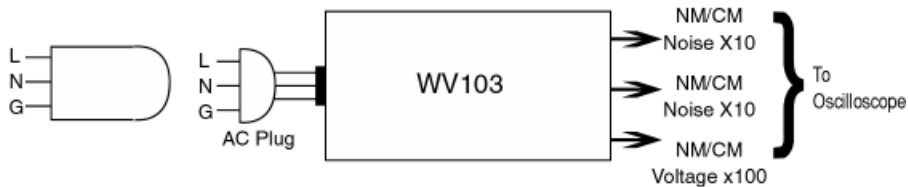
Normal- and common-mode noise



50/60 Hz voltage waveform, normal-mode noise and common-mode

ONEView: Specifications

Functional Schematic



Part Number

004-001 (WV103)

Input Voltage	250 VAC (rms) max.
Output Voltage Channel	Sensitivity 100:1 Bandwidth 10 Hz - 50kHz
Output Noise Channel(s)	Sensitivity 10:1 Bandwidth 6 kHz - 5 MHz
Dynamic Range	Per IEEE 587-1980, part A ring wave up to 6000
Isolation (power line to BNC)	2000 V
Output Connectors	BNC
Dimensions H x W x L in. (cm)	2.25 x 3.2 x 5.9 (5.7 x 8 x 15)
Net weight* — lbs. (kg.)	1 (0.45)
Shipping weight* — lbs. (kg.)	2 (0.9)

* Weights include I/O cables, soft-sided case, and manual.

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