



**Everything You Need to Measure  
Motor Shaft Voltages ...  
in a Single Package**

A complete package, the AEGIS® Shaft Voltage Tester™ is a CAT II/III digital oscilloscope that includes everything you need to test voltage levels on the spinning shaft of a motor — an oscilloscope with advanced functions, a probe with special conductive microfiber tips for exceptional shaft contact, a probe holder with a magnetic base, and a compact carrying case. The 2-channel full-function 100MHz digital oscilloscope has a 5.7" TFT LCD color display, a multi-language user interface, sampling rates of 1 GSa/s to 50 GSa/s, and a 5-hour rechargeable lithium-ion battery pack. It has two BNC connectors for oscilloscope input, four 4 mm connectors for multimeter input, and a USB port for output to a flash drive.

**AEGIS® One-Touch™ Screen Capture**

The handy AEGIS® One-Touch™ screen capture feature dramatically simplifies data collection for reporting and analysis. Screen images can be saved via USB port to a flash drive by simply pushing and holding the "Save" button for 6 seconds.

**Configurable for a Wide Range of  
Languages**

The AEGIS® Shaft Voltage Tester™ Oscilloscope can be configured for a variety of languages including English, German, French, Italian, Spanish, Portuguese, Russian, Simplified Chinese, Traditional Chinese, Japanese, Korean, and Arabic.

**Functions as a Multimeter**

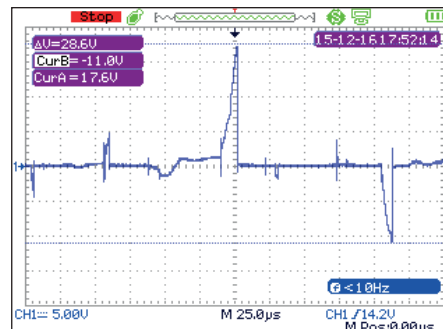
With dual inputs, the AEGIS® Shaft Voltage Tester™ combines oscilloscope and multimeter functions in a single unit. The scope's multimeter function provides measurements for resistance (ohms), continuity, diode capacitance, DC volts, AC volts, DC current, and AC current, all at 6000 count display resolution.

**Offered With a Variety of Accessories**

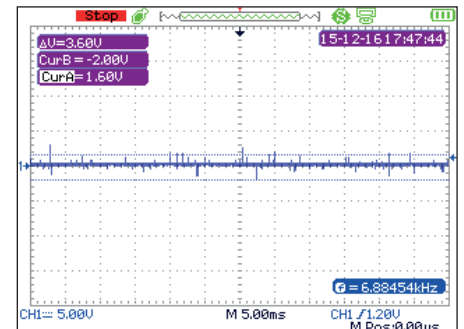
AEGIS® Shaft Voltage Tester™ Oscilloscope includes a 2-year extended warranty and is offered with differing accessories. Replacement probe tips are also available.



The AEGIS® Shaft Voltage Tester™ kit includes everything you need to start testing motor shaft voltages.

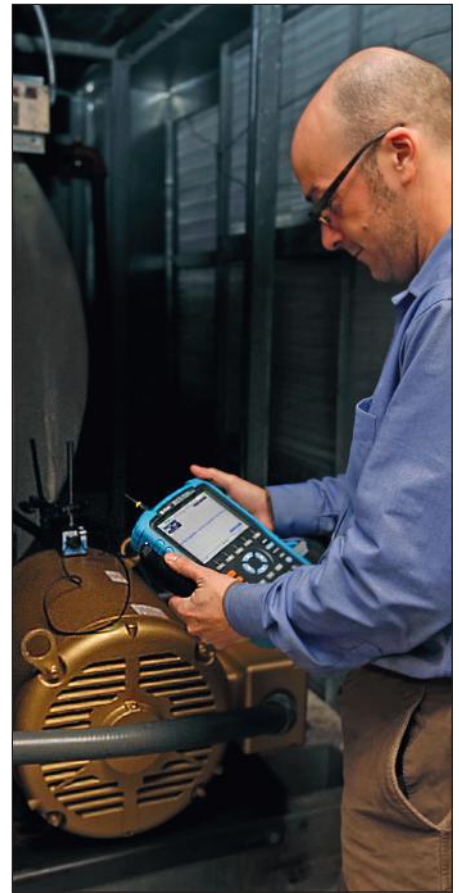


Shaft voltage reading from a VFD-driven motor without an AEGIS® Bearing Protection Ring



Shaft voltage reading from a VFD-driven motor with an AEGIS® Bearing Protection Ring

## Generic Specifications



### Display System

Display Mode	5.7" TFT color LCD
Resolution	320 horizontal x 234 vertical pixels
Color Quality	24 bit
Contrast Ratio	150:1
Color Model	Normal or Invert
Language	English, German, French, Italian, Spanish, Portuguese, Russian, Simplified Chinese, Traditional Chinese, Japanese, Korean, and Arabic

### Power

Line Power Adaptor	Input Voltage: 100 - 240VAC 50/60 Hz Output Voltage: 9V, 4A
Battery	7.4VDC, 5000mAh, lasting 5 hours

### Scope

Bandwidth	100 MHz
Sampling Rate	Real Time: 1GSa/s (single channel) 500MSa/s (double channel) Equivalent: 50GSa/s
Time-Base Range	2.5 ns/div ~ 50s/div
Scan Range	100 ms/div ~ 50s/div
Multimeter	DCV, ACV, DCI, ACI, resistance, diode, capacitance, continuity

	AEGIS-OSC-9100-W2-I	AEGIS-OSC-9100MB-W2-I	AEGIS-OSC-9100MB-W2-IC
AEGIS® Shaft Voltage Tester™ Digital Oscilloscope	■	■	■
AEGIS® Shaft Voltage Probe™ with Tip Installed	■	■	■
Spare 1X/10X Oscilloscope Probe	■	■	■
USB Probe Calibration Dongle	■	■	■
Multimeter Test Leads	■	■	■
Rechargeable Battery	■	■	■
Power Supply (9V, 4A DC; 120/240 VAC)	■	■	■
Compact Carrying Case	■	■	■
USB Flash drive, loaded with manual	■	■	■
AEGIS® Bearing Protection Handbook	■	■	■
Universal Power Adapter	■	■	■
Alligator Grounding Clips	1	2	2
Spare AEGIS® Shaft Voltage Probe™ Tips		3	3
AEGIS® Shaft Grounding Simulator™		■	■
Probe Holder		■	■
Magnetic Base		■	■
ISO 17025 Calibration			■
Warranty Length	2 years	2 years	2 years