

# 8800 PowerScope®



## A High-Performance Power Analyzer for Monitoring Voltage and Current.

**T**he 8800 PowerScope from Basic Measuring Instruments (BMI) is an advanced, three-phase electric power disturbance analyzer that lets you detect electrical problems *when* and *where* they occur, and provides complete information for more productive problem solving.

### ✓ High Performance in Any Application

The 8800 lets you identify disruptive power problems, survey power before moving or installing sensitive electronic equipment, and check for damaging environmental conditions that can affect power quality.

### ✓ Gets You to the Source of the Problem

With the 8800, you can identify the causes of poor power quality and determine the appropriate solutions. When monitoring, the 8800 quickly provides the information you need to analyze sags, swells, waveshape faults, impulses, harmonics and fluctuations in temperature and humidity.

### ✓ Simultaneous Voltage and Current

BMI offers simultaneous voltage and current monitoring on all three phases of a power system. The 8800 has eight main input channels (4 voltage and 4 current) that record and graph voltage and current simultaneously to help you detect and define power quality problems more quickly. With voltage and current on one graph, you can tell whether the disturbance is occurring upstream or downstream of the monitoring point.

### ✓ High-Speed Impulse Sampling

The 8800 samples impulses at 4 MHz, twice as fast as any other power monitor, so you get a more complete picture of what's going on. The high sampling rate also lets you display impulses with greater accuracy and resolution.

### ✓ Automatic Zoom

The 8800 lets you see problem data right away. Disturbance information is automatically "zoomed" to its best resolution then printed or stored automatically.



**Rugged and Portable.** Take the 8800 PowerScope anywhere to monitor all types of power disturbances. Simultaneous voltage and current graphs tell you if the disturbance occurred upstream or downstream of the monitoring point. With the automatic zoom feature, you save time finding the problem data you need.

### ✓ Built-In Diskette Storage

You can turn off the 8800 printer and store up to several weeks worth of data on the optional, built-in 3½" disk drive. You can print the information later, or read it on your DOS-compatible PC using PowerTalk® View software from BMI.

### ✓ Snapshots

The Snapshot button lets you print a graph showing the present condition of voltage and current waveshapes.

### ✓ Harmonics Analysis

Optional, built-in harmonics analysis provides you with THD and spectrum reports through the 33rd harmonic at 60 Hz for voltage and current simultaneously. This helps you keep an eye on potentially damaging harmonics.

### ✓ Meter Reading

For added convenience, the 8800 displays real-time voltage, current, frequency, high frequency noise, and environmental probe readings in the display window.

### ✓ Faster, Higher Resolution Printing

The 8800 can be set up to print graphs every time a disturbance is detected. The publication-quality graphs print quickly and are clear and easy to read.

### ✓ Environmental Monitoring

The 8800 lets you monitor for temperature changes and humidity fluctuations that can affect the operation of your equipment. A variety of optional environmental probes can be added to the 8800 to extend your monitoring capabilities. Environmental transducer inputs are standard with the 8800.

### ✓ In-Field Calibration

The 8800 PowerScope has a built-in software calibration procedure that you can perform in the field or at your facility. User calibration ensures RMS voltage and current measurement integrity, minimizes downtime, and maximizes your instrument availability. If you prefer, BMI offers NIST-traceable calibration services.