

DM-5 Power Quality Analyzer

Most Compact High Performance Power Quality Analyzer in its Class

Poor power quality is costly – not only can it drive up energy bills with excessive power usage, but equipment failure or damage caused by poor power quality is expensive and time-consuming to diagnose and repair. Productivity and process also suffer with faulty equipment or unscheduled outages. The new Amprobe DM-5 Power Quality Analyzer allows you to easily and quickly discover the source and magnitude of power quality issues.

At half the size of previous models, the compact DM-5 brings speed and efficiency to power quality jobs ranging from routine maintenance to in-plant troubleshooting of individual machinery and power distribution panels. Built for use in even the largest facilities, the DM-5 is safety tested to meet the world's most prestigious safety standards and is rated to CAT IV 300 V, CAT III 600 V, CAT II 1000 V.



DM-5
Power Quality Analyzer



Real-Time Checks with Large, Full-Color Screen. During and after measurements, the on-board screen displays data graphs and values in full color for easy comparison. Additionally, the Print Screen quick-button makes it simple to save momentary readings for later comparison.

All Amprobe tools, including the Amprobe DM-5, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Order Information

MODEL:	Description	Item #	UPC Code	Length	Width	Depth	Weight	MSRP
DM-5	Power Quality Analyzer	4724171	0 95969 80806 4	6.9 in (17.526 cm)	4.7 in (11.938 cm)	2.7 in (6.858 cm)	2.0 lb (907.185 g)	\$4,496

DM-5 Highlights

- **Simultaneously measures** power, harmonics, waveform, power quality (voltage: 3-channel, current: 4-channel)
- **Measures single and three-phase** power system with 10 selectable wiring connection settings
- **Test parameters** voltage, current, active/reactive/apparent power, PF and frequency all on one screen
- **Quick start mode**, wiring check and auto current sensor detection for quick, accurate measurements
- **Automatic recording** with memory for up to 1,000 parameters at user defined intervals
- **Includes thin flex current sensor** with user selectable input ranges of 300 A, 1000 A, or 3000 A
- **Energy consumption check:** Trend and demand graphs for easy view
- **Power quality events:** Swell, Dip, Interruption, transients, Inrush current, and flicker
- **Real-time remote monitoring** on compatible PC and Android devices via Bluetooth communication
- **Comes complete with measurement accessories**, PC software, and large carrying case
- **Safety rated** CAT IV 300 V, CAT III 600 V, CAT II 1000 V

Applications

Harmonics

Harmonics often cause tripped circuit breakers, blown fuses, irregular electrical noises and overheating of electrical systems. Use the DM-5 to identify problematic harmonics, evaluate both the magnitude of harmonic frequencies present and the amount of total harmonic distortion.

Analyze Power Efficiency

With the DM-5, you can simultaneously measure up to 1,000 parameters to analyze wherever excessive power loss or other power problems may exist.

Pinpoint Transients

Transients can cause problems ranging from simple equipment malfunction to full equipment failure. Recording data over a prolonged period can help isolate when and where infrequent transients occur, helping identify root causes ranging from nearby lightning strikes to the switching of loads.

Capture Sags and Swells

The high performance processor of the DM-5 captures sags and swells, common causes of equipment failure and irregular electrical noises.

Monitor Voltage Unbalance

Monitoring for unbalance with the DM-5 can help identify issues before they result in costly equipment damage. Unbalance often causes excessive overheating, leading to motor failure and other problems within distribution systems.