

Digital Monitor

This compact, easy to use instrument is made with advanced microelectronics and provides accurate testing and monitoring of electrical outlets and systems. Constantly monitors voltage and frequency indicating potential improper polarity and ground wiring. Its small size and rugged construction allows for convenient installation in an electrical outlet or use as a portable service tool.

Voltage is measured as RMS which is much more precise than AC average. RMS metering is the only method that can accurately measure all AC power sources. The RMS voltage and frequency readings are ideal for monitoring modified sine waves such as solid-state generators, inverters and Uninterruptible Power Supply (UPS) products.

The Digital Monitor display will alternate between line voltage in RMS volts and line frequency in Hertz. The LCD display shows an "F" in front of the reading to denote frequency.

Three display modes are available:

- ▶ Alternating Voltage & Frequency (VOLT/FREQ.)
- ▶ Voltage only (VOLTAGE)
- ▶ Frequency only (FREQUENCY)

Pressing the MODE button on the front of the Digital Monitor will cycle through the display modes. Both voltage and frequency are constantly monitored regardless of the display mode.



FEATURES

AECM20020

- ▶ Accurate Testing and Monitoring of All AC Power Source Types
- ▶ RMS Voltage and Frequency Meter
- ▶ Multi-tone Fault Alarm
- ▶ Hands-free Auto Reset
- ▶ Advanced Microelectronics
- ▶ One Button Operation
- ▶ Wiring Diagnostics
- ▶ LCD Display with LED Backlight



TECHNICAL DATA

Voltage Range	85 to 150 Vac RMS
Frequency Range	40 / 80 Hz
Operating Current	0.02 Amp
Under Voltage Alarm	<102 Vac RMS
Over Voltage Alarm	>135 Vac RMS
Under Frequency Alarm	<55 Hz
Over Frequency Alarm	>65 Hz
Outlet Type	120V/15A single phase
Operating temperature	+32° F to +125° F

