

Digital Power Analyzer with RS-485 Commu- nication

The APM-96Q is a panel mounting power analyzer with advanced features and precise measurement accuracy. It has a digital RS485 communication port that uses the Modbus Protocol to transmit monitoring data for intelligent power distribution or plant automation.



ADDITIONAL IMAGES



Overview

Advanced Power Analysis

The APM-96Q is a high-end, multi-function power analyzer designed for comprehensive monitoring of electrical systems. It replaces multiple traditional instruments by integrating advanced parameter measurement, harmonics analysis, and event logging into a single, reliable device. With its dot matrix LCD and RS-485 Modbus communication, it serves as an ideal solution for industrial and commercial power grid management.

Measurement Capabilities

Measured Parameters	Voltage, Current, Frequency, Active Power, Reactive Power, Apparent Power, Energy, Power Factor, Harmonics, Max Demand
Accuracy Class	0.2
Current Input	.../5 or .../1 A

Technical Specifications

Technology	ITF Technology • Galvanic Insulation
Universal Power Supply	85-265VAC/DC
Communication	RS-485 Modbus/RTU

Advanced Features

Advanced Electrical Metrics

- Voltage/Current THD%
- Harmonics factor
- Voltage crest factor
- Current K-factor
- Voltage drop
- Voltage flicker

Data Logging & Events

- 100 lists of SOE records
- 1KHz Waveform Snapshot
- Optional 128MB memory
- Multi-tariff ratio recording

Expansion & I/O

Optional Expansion Modules

Component	Quantity
Relay Output (DO)	2
Switch Input (DI)	6
Analog Output (AO)	3