

Understand your
energy consumption
and power quality



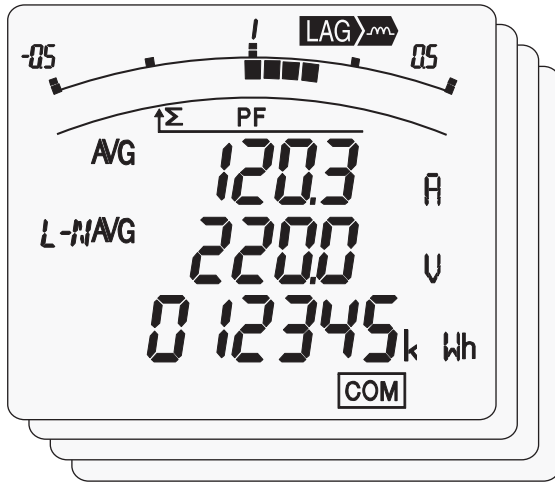
ME96SS Series power meters are high accuracy meters for electrical load monitoring. They are panel mount meters with a large LCD display and native Modbus RTU or optional CC-Link communication. They can be installed on power distribution panels, motor control centers, machine panels or other custom panels. ME96SS meters provide metering and power quality information that can be used for energy cost allocation, power demand management, or troubleshooting power quality problems.

Key Features:

- Easy on-board menu configuration
- Large LCD display with bar graphs
- Native Modbus communication and optional CC-Link support
- 96 x 96 mm panel mount format
- User configurable display
- Direct 480V WYE connectivity, use standard potential transformer for loads that have higher voltage
- Configurable alarm notification
- Periodic energy counters for on-peak or off-peak energy usage
- Real-time power quality information
- Analog and digital input/output option



ME96SS Models



Frequently Asked Questions

■ What is a typical application for ME96SS Series power meters?

ME96SS power meters are typically installed on motor control centers, power panels, machine panels, switchgear, packaged solutions, and gensets.

■ How can ME96SS power meters interface with existing systems?

ME96SS has native Modbus RTU communication support to interface with existing applications. ME96SS can also interface with existing systems through its analog and pulse output option. ME96SS is compatible with EcoWebServer over a CC-Link network. For additional network support inquiry, please contact your local sales representative.

■ What is the value of on-board buttons and a large display?

The ME96SS allows easy configuration through the on-board buttons. It also provides the ability to switch between multiple display views allowing for more data to be visualized. The built-in alarm function provides for blinking the entire LCD display alerting operators when a fault occurs.

Model Name	Main Measurement Items
ME96SSH-MB (High-spec class)	A, DA, V = $\pm 0.1\%$ W, var, VA, Hz = $\pm 0.2\%$ PF = 1.0% Wh = class 0.5s (IEC 62053-22) varh, Vah = class 2.0 (IEC 62053-23) Harmonics = 31st-deg (max) Rolling demand
ME96SSR-MB (Standard class)	A, DA, V = $\pm 0.2\%$ W, var, VA, Hz = $\pm 0.5\%$ PF = 2.0% Wh = class 1.0 (IEC 62053-21) varh = class 2.0 (IEC 62053-23) Harmonics = 13th-deg (max)
ME96SSE-MB (Economy class)	A, V = $\pm 0.5\%$ W, Hz = $\pm 0.5\%$ PF = 2.0% Wh = class 1.0 (IEC 62053-21)

■ How can the ME96SS help with preventative maintenance?

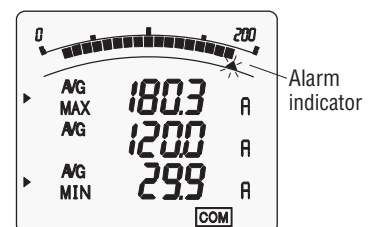
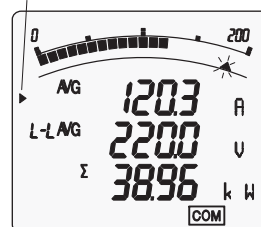
Poor power quality can damage sensitive production equipment and can shorten the life of the equipment. The ME96SSR and SSH models are capable of monitoring real-time power quality that can identify power quality issues so you can take proper steps to avoid unexpected tripping of production equipment or failure.

■ What types of data logging are available with these units?

In addition to voltage, current, power, frequency, power factor, harmonics, power demand and energy metering, ME96SS power meters have two periodic energy counters. ME96SS power meters also have operating hours and min/max value of metered items. Energy counters and min/max settings can be password protected to prevent tampering or unauthorized changes.

Screen samples:

Value shown by bar graph



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

