

Product Datasheet



SAFIX INLINE METER

SAFIX Inline Meter converts a standard PDU into a smart PDU, providing accurate real-time monitoring of voltage, current, power, and energy, with support for sensors and remote monitoring.

Product Name: Inline Smart PDU

Input Details:

Input Voltage: 250V 1P, 430V 3P

Input Ampere: 10A, 13A, 16A, 32A, 63A

Input Frequency: 50- 60 Hz

Input Type: UK / C14 / C20 / IEC 60309 Male / Terminal Box selected based on current rating and customer requirements.

Input Cable: 1.8M / 3M / 5M

Output Details:

(The Inline Meter does not regulate or control any output; it only reads and monitors as per the configured rules.)

Output Voltage: 250V 1P, 430V 3P

Output Ampere: 10A, 13A, 16A, 32A, 63A

Output Frequency: 50-60Hz

Output Type: IEC 60309 Female / Terminal Box / Based on Customer Requirement

Output Cable: 1.8M / 3M / 5M

Protection: Can be added MCB, RCBO, Thermal Overload as per customer requirements.

Smart Meter Technical Details:

This Smart Meter comes with many features, but the Inline Meter is configured to work only at the phase level. It can monitor individual phases for both single-phase and three-phase systems.

Display: LCD Display Parameters Phase, Volt, Amp, Energy, Network IP, Sensor Status, Device Details

Manual Buttons: Menu, Scroll, select

Status Light: Green ok, RED Alarm / ERR

Sensor Ports: 2 Ports RJ45, 4 Sensors, Smoke, Water, T/H and Door

RS485: Two Ports one In and One Out (Modbus)

USB Port: For File Upgrade

Lan Port: For Internet / LAN Connection

Buzzer: For Alarms

Power Supply: 250V 50-60 Hz, Inbuild Power Supply

LAN Connection: DHCP, Manual, IPV4, IPV6

Network: There is also an option to modify Web configurations for HTTP and HTTPS. HTTPS is the more secure option.

There is also an option to enable or disable SSH (Secure Shell) and Telnet configurations

SNMP: SNMP Trap Server is Available

SNMP V1

SNMP V2C

SNMP V3 Available

SNMP V1 and V2C are mainly used for basic management and monitoring, with minimal security.

SNMP V3 provides advanced security features like encryption and authentication, making it the preferred choice for sensitive environments or where security is a priority.

Email Configuration: The email notification feature is used to share all event logs with the administrator's email address. Configuration requires setting up an SMTP server with SSL encryption on the appropriate port

Syslog Configuration: There is a dedicated page for syslog configuration. I have tested the functionality, and it immediately transfers all alarms to the respective port and IP device.

Configuration:

System Management

In the System Management page, we can modify the device name, location, and contact person details, as well as update the sensor names. There are two options to upgrade files, including one specifically for upgrading the safety certificate of the devices.

Thresholds Configuration

In the Thresholds Configuration, there are options to modify device-level low load and overload settings, phase-level low load and overload settings, phase-level low and high voltage thresholds, bank-level low load and overload settings, as well as temperature and humidity warning levels.

User Management:

In User Management, there is an option to change the password for the current user, along with options to create and delete users. There are two types of users:

1. Super User – has full access and can modify all available settings.
 2. Read-Only User – has limited access, primarily restricted to viewing iPDU controls without modification rights.
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Event Log:

A dedicated Event Log page is available, where the user can view all types of events. It also allows clearing the events and downloading the event log in text format.

Warranty: 5 Years (Repair or Replacement)
