



Eastron Smart X96-5E - Summary Sheet

Summary

The Eastron Smart X96-5E is a three phase, panel mounted, CT operated electricity meter. It is MID B+D Certified for both single and three phase supplies as well as Import & Export kWh and is accurate to 1%, (Class B).

It displays a broad range of power data including Active Power (W) by phase, Power Factor (PF), Frequency (Hz) and Harmonic Distortion for both Current & Voltage. It not only records total Active and Reactive Energy (kWh & kVAh) for both Import and Export, but in contrast to most three phase meters, it also displays energy consumption per phase.

In addition, this meter has 2 pulse outputs for logging kWh and kVAh as well as a Modbus RS485 output, ideal for integrating with Building Management Systems (BMS) or remote monitoring systems.

Designed for quick and hassle-free installation, the X96 utilises plug-in terminal connections that are supplied with sealable covers to ensure no tampering once installed. No auxiliary power supply is required as power is taken from the voltage references ensuring power to the meter is maintained even if a phase fails. Incorrect CT orientation, a common installation issue, can quickly be identified as negative power is displayed. The CT orientation can be adjusted for each phase, providing a simple resolution if CTs have been installed incorrectly.

N.B. This meter can be pre-wired into an enclosure. [Click here](#) to see our full range of Enclosures, or [click here](#) to find out more about our Pre-Wiring Service.

Product Code

Meter Type
Fitting Type
Max Current (Amps)
MID Approved
Smart
Input Type
Output Type
Tariffs
Import / Export
Availability
Brand
Country of Manufacture

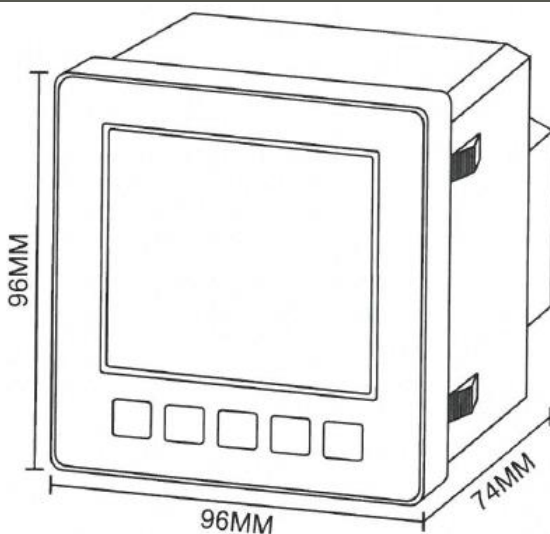
TPPEAX96

Three Phase
Panel Mounted
5
Yes
No
Current Transformer
RS485 Modbus & Pulse
Single
Import & Export
Next Day
Eastron
China

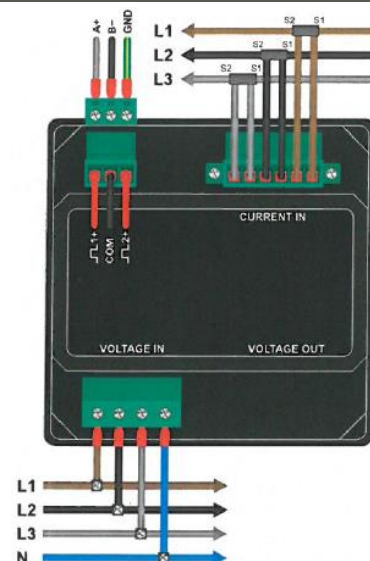
Measured Parameters

| | | | |
|---------------------------|---|-----------------------------------|---|
| Active Energy (kWh) | ✓ | Line Power Factor (PF) | ✗ |
| Active Power (W) | ✓ | Line Reactive Power (kVAh) | ✓ |
| Apparent Energy (kVAh) | ✗ | Line to Line Voltage (V) | ✓ |
| Apparent Power (VA) | ✓ | Line to Neutral Voltage (V) | ✓ |
| Average Current (I) | ✗ | Maximum Current (I) | ✓ |
| Average Power Demands (W) | ✗ | Maximum Power Demands (W) | ✓ |
| Average Voltage (V) | ✗ | Maximum Voltage (V) | ✗ |
| Current (I) | ✓ | Power Factor (PF) | ✓ |
| Current in Neutral (I) | ✗ | Reactive Energy (kVAh) | ✓ |
| Frequency (Hz) | ✓ | Reactive Power (VAh) | ✓ |
| Hours Run (hr) | ✗ | Total Harmonic Distortion (Amps) | ✓ |
| Line Active Power (W) | ✓ | Total Harmonic Distortion (Volts) | ✓ |
| Line Apparent Power (kVA) | ✓ | Voltage (V) | ✓ |
| Line Current (I) | ✓ | | |

Dimensions



Wiring Diagram



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