

WSA310

Three Phase Smart Meter



Overview

WSA310 is a three phase smart meter utilized for AMI, AMR, and AMM applications in smart grid systems. The meter complies with DLMS and IDIS standards, and utilizes various technical solutions to communicate with AMI or AMR systems.

Highlights

1. Open Communication Protocol: DLMS/COSEM
2. Load profile with instantaneous data and energy data
3. Support FW remote update
4. Compatible with GPRS/PLC/Rf modules
5. Time of Use metering apply 8 tariff of TOU or step tariff
6. One optical port for programming and reading
7. One RS485 port for local communication device connection
8. Event Log
9. Current and Previous month cumulative total kWh & kVarh (leading) & kVarh (Lagging)
10. Maximum Demand
11. Anti-tamper design
12. Daily billing and monthly billing
13. Remote relay control
14. Battery replaceable



Three Phase Smart Meter



Main Feature

Measurement

1. Active/Reactive Energy
Measurement in both direction
2. Instantaneous value measurement
3. Maximum demand/Cumulative demand
4. Power Measurement

LCD Display

1. Display content can be configured
2. LCD backlight
3. Large digit LCD display, easy for reading

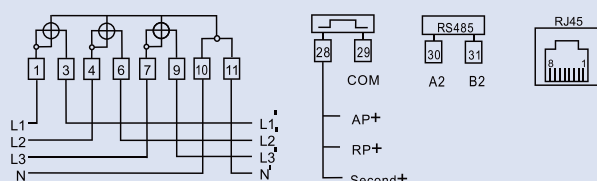
Self-Diagnostic and Detection

1. Real time clock(RTC)indicator
2. Reverse phase sequence indicator
3. Non-volatile memory status indicator
4. Battery capacity indicator
5. Replaceable Battery
6. Loss phase indicator for L1、 L2、 L3
7. All display segments self-diagnostic check
8. Display LCD in power-off condition by button
9. Tampering Proof and detection function
10. Record the cumulative number of power outages
11. Power Quality Monitor: Under Voltage,Over Voltage, etc.

Technical Specifications

Voltage	Reference	3x220V, 230V, 240V
	Operating range	0.7-1.3Un
Frequency		50Hz or 60Hz
Current	Basic Current (Ib)	5A, 10A, 20A
	Maximum Current (Imax)	40A, 60A, 80A, 100A
Accuracy	Active(and apparent)	CL0.5
	Reactive	CL2.0
Typical Power Consumption	Voltage circuit active / apparent power at Un	≤2W
	Current circuit apparent power at Ib	≤10VA
Degree of Protection		IP54
Weight of Meter		1.5kg
Dimensions		270mm (L) ×170mm (W) ×80mm (H)
Meter Service Life		>10years

Connection diagram



Dimmension diagram

