Digital Multifunction Power Meter ASNM-611H

POWER SYSTEM PROTECTION EQUIPMENT



Overview of digital multifunction power meter The multifunction & multifunctional power meter supports programmable measurement, display, digital communication and pulse transmission output.

KEY FEATURES

- The multifunction & multifunctional power meter supports programmable measurement, display, digital communication and pulse transmission output.
- It realizes power parameter measurement, energy metering, data display, collection and transmission.
- Widely used in substation automation , distribution automation , intelligent buildings and enterprise power measurement, management and assessment.
- It has 0.5-level measuring accuracy for voltage and current, with on-site LED display and remote RS-485 interface based on MODBUS-RTU protocol.

MULTIFUNCTION POWER METER INSTRUCTIONS

Parameter Item	Specification
AC Voltage Sampling Range	0-400V; external **voltage** transformer required for sampling voltage over 400V
AC **Current** Sampling Range	0-5A; external current transformer required for sampling current over 5A
Harmonic Measurement Range	2nd to 31st order harmonics of phase voltage & phase current, range: 0.01%~99.99%
Total Harmonic Distortion (THD) Range	0.1%~999.9%
Metering Sampling Rate	1.0s per time
Harmonic Measurement Sampling Rate	0.5s per time
Metering Accuracy	±0.5%FS
Harmonic Measurement Accuracy	±0.05%FS
Display Mode	LED display
Current Loop Input Power Consumption	< 0.5VA
Voltage Loop Input Power Consumption	< 0.2VA
Working Power Supply	AC220V, AC/DC 89-265V; system power consumption < 0.3VA
Alarm Output	Independent relay output; contact capacity: 250Vac/5A, 30Vdc/5A
Transmission Output	4-20mA analog output (switchable between 4-20mA and 0-20mA); accuracy ±0.5%FS; load capacity <900Ω; common-source output
Communication Interface	RS485 serial communication, supporting MODBUS-RTU protocol
Digital Input	Passive dry contact, with optocoupler isolation
Electrostatic Discharge Immunity	Air discharge >8KV, Contact discharge >4KV

Parameter Item	Specification
Surge Immunity	>4KV
Electrical Fast Transient Burst Immunity	>4KV
Power Frequency Withstand Voltage	>2KV

CLASSIFICATION & SELECTION OF DIGITAL METERS

Meter Type	Main Measured Parameters	Signal Input	Typical Application
Single-phase Voltmeter	AC Voltage	Direct 0~400V / PT access	Low-voltage distribution cabinet
Single-phase Ammeter	AC Current	Direct 0~5A / CT access	Motor control cabinet
Single-phase Power/Energy Meter	Voltage, Current, Active Power, Energy	CT+PT	Civil power distribution
Three-phase Multifunction Power Meter	V, I, P, Q, kWh, 2~31st Harmonic, THD	CT+PT	MV switchgear, PV station, substation
Digital Power Factor Meter	Power Factor	CT+PT	Reactive power compensation cabinet

ORDERING INFORMATION

MOQ	LEAD TIME	TRADE TERMS	PAYMENT	WARRANTY
1 unit	7-15 working days	EXW / FOB / CIF / DDU	T/T, L/C, WU, PayPal	12 months