

WON -G2

WON-G2-Multifunction Energy Meter + Power Quality Meter is an advanced energy monitoring device that measures key electrical parameters in real time.

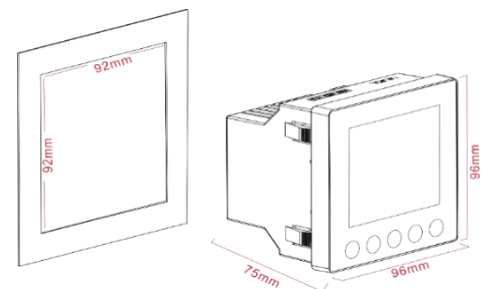
It helps industries, commercial buildings, and utilities track energy consumption, monitor power quality, improve efficiency, and reduce costs beyond basic energy metering.



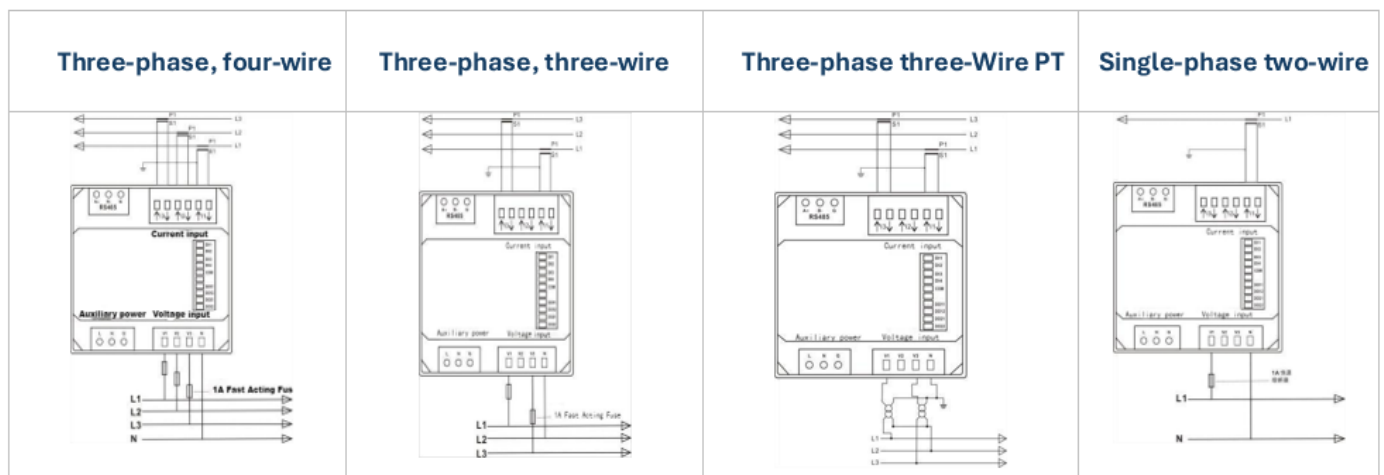
Product Features

- Supports 1P2W, 3P3W, 3P4W (LV/MV/HV)
- Measures phase-wise & total power parameters
- Harmonic analysis up to 63rd order
- RS-485 Modbus communication (38400 bps)
- Large high-resolution display
- Demand monitoring with configurable settings
- Real-time load & power factor display
- Bidirectional energy metering (import/export)
- Displays phase sequence & phase angle
- Multi-tariff (8 time slots, 4 rates)
- Flexible CT input (1A/5A), programmable ratio
- Event logging, remote monitoring & compact design 92×92 mm

Dimension



Wiring Diagram



Technical Specifications

Suitable Networks	Three-phase four-wire, Three-phase three-wire, Single two-wire, Three-phase three-wire PT	
Operating Power	Auxiliary Supply	AC/DC 85~265V
	Power	≤5W
Input	Voltage Rating	AC 100V, 220V, 400V
	Overload	1.2x continuous, 2x (10s)
	Power Wattage	<0.4VA/ phase
	Impedance	≥200kΩ
	Primary Current	1-9999A
	Secondary Input	1A or 5A
	Short-term Overcurrent	20x maximum current for 0.5 seconds
	Power Wattage	<0.2VA/ phase
	Electrical Impedance	≥0.1Ω
	Frequency	45Hz~65Hz
	Pulse Input	4 Digital Input, Dry Contact Input, Opto-Isolated
Output	Pulse Output	2 Digital Output, Dry Contact Input, Opto-Isolated
Accuracy	Voltage/Current	0.5%
	Frequency	0.2%
	Power/Power Factor	1%
	Active Energy	0.5S class
	Reactive Power	1.0 class
Communication	Interface Type	RS485
	Communication Protocols	Modbus RTU
	Baud Rate	2400/4800/9600/19200/38400bps
	Address Range	1-247
	Communication Distance	1000m
	Parity	EVEN/ODD/NONE (default)
	Data Bit	8
	Stop Bit	1
Power Quality	Voltage Harmonics	Individual 1-63 Order & THD
	Current Harmonics	Individual 1-63 Order & THD
K-Factor	Power quality monitoring, K-factor refers to a transformer's ability to handle harmonic-rich, non-linear loads.	
Environmental	Operating Temperature	-25°C~55°C
	Storage Temperature	-40°C~70°C
	Operating Humidity	≤90%RH, Non-condensing, non-corrosive gas locations
	Storage Humidity	≤95%RH, Non-condensing, non-corrosive gas locations
	Height Above Sea Level	≤2000m
	Installation Category	CAT III
	Pressure Resistance	AC withstand voltage 4KV/1min, Pulse withstand voltage 6kV - 1.2μS waveform
Immunity Test	Rapid Transient Pulse Group Test	GB/T 17626.4-2008: Test level 2, current voltage 1kV, other 500V
	Surge (Shock) Immunity Test	GB/T 17626.5-2008: Test level 4, test voltage 4kV
	Immunity Test for RF Field Induction	GB/T 17626.6-2008: Test level 3, test field strength 10V/m
	Immunity Tests for Voltage Dips, Short-term Interruptions and Voltage Variations	GB/T 17626.11-2008: Current and voltage test error qualified

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