

# PROGRAMMABLE DIGITAL WATT & WATT-HOUR METER

## WWHM



### FEATURES

- W: 4 Digits Display (2700)
- WH: 7 Digits Display (9999999)
- RS-485 Modbus RTU output (option)
- Pulses output (option)
- CT x PT rate free setting 1 ~ 65535 times
- DIN Size 96 x 48mm

### Specifications

Display	W: 4 digits (2700) 0.4" (10.1mm), Red LED WH: 7 digits (9999999) 0.4" (10.1mm), Red LED WH: 4200000000 in memory (Option)
Watt Hour Count Speed	≤ 4000 Count/H
Accuracy	± 0.5% RD. (± 0.2% Option), (PF ≥ 0.5)
Max. input over capability	Amp. 3 x rated continuous 10 x rated for 10sec. 50 x rated for 1sec. Volt. 750V continuous.
Conversion rate (about)	2/sec.
Input burden	Volt. input ≤ 0.2VA/Phase Amp. input ≤ 0.2VA/Phase
Frequency range	45~400Hz for AC range
Operating temp.	0 ~ 60°C
Storage temp.	-10 ~ 70°C
Temp. coefficient	≤ 100PPM/°C (≤ 60PPM/°C. 25°C ± 10°C)
Max. relative humidity	95%
Dielectric strength	AC 2 KV/1 min. (input / power / case)
Surge test	4 KV/1.2 x 50μs, IEC 255-4
Aux. power	AC 115V or 230V ±10%, 50/60 Hz DC 24V, 48V, 110V ±20%(option)
Open collector	30V/50mA
Reed Relay	30V/0.5A
Power consumption	AC 3.5VA, DC3W
Weight (about)	460g
Baud rate	9600, 19200
Watt-hour data back-up time	1000Hours

### Ordering Information

**WWHM**         (Please remark the rate if have PT. CT.)

NO.	CIRCUIT	NO.	INPUT V.A	NO.	FREQUENCY	NO.	DISPLAY	NO.	DISPLAY	NO.	AUX. POWER	NO.	OUTPUT	NO.	OUTPUT
12	1 φ 2W	1	AC 120V, 5A	1	50Hz	1	27.00KW	1	0~99999.99 KWH	1	AC 115V	A	RS485	N	NONE
13	1 φ 3W	2	AC 240V, 5A	2	60Hz	2	270.0KW	2	0~999999.9 KWH	2	AC 230V	1	1 Pulse/Count	1	OPEN COLLECTOR
33	3 φ 3W	3	AC 208/120V, 5A	3	400Hz	3	2700KW	3	0~9999999 KWH	Y	OPTION	2	10 Pulses/Count	2	REED RELAY
34	3 φ 4W	4	AC 416/240V, 5A	Y	OPTION	4	27.00MW	4	0~99999.99 MWH			Y	OPTION		
		Y	OPTION			Y	OPTION	Y	OPTION						

Pulses / count output is follow to kwh value in display.