



Multi-function power meters are designed for single and three phase power monitoring and measure of voltage, current, energy, power, power factor and frequency, etc. Multi-function power meters are built with RS485 and can easily be integrated with SCADA system.

Multi-function meters are used to measure different electrical parameters in electrical switchboards & control panels.



ARCHMETER - Taiwan

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Ordering Information

Order No	Model No	Product	Voltage	Size	Display	Functions
250 700	PA 330	Multi Function Meter	220-240V	96x96	LCD	V, I, KW, Kvar, KVA, Kwh, Kvah, kvarh, PF, frequency, Demand, Running hour.

Technical Details

Aux Power	AC80-264V/DC100-300, Max.2.3W
Input Voltage	CATIII 10V-600V L-L
Input Current	2mA-5A
Accuracy	V, I 0.2%, W 0.5 (PF=1.0)
Frequency	V, I 0.2%, W 0.5 (PF=1.0)
Display	Mono 68 × 59 LCD
Wiring Ports	Aux Power, Voltage, Current, DO*2, RS485, LON
I/O	DO OUTPUT*2 ; DO1 Alarm output, DO2 Pulse/ Alarm Output
Operation Temperature	-20°C -70°C
Storage Temperature	-25°C -80°C
Humidity	20-90% RH
Dust/Water Proof Rating	Panel : IP52, Case : IP20
Size	96(W) × 96(H) × 97(L)mm
Power Consumption	0.45~0.7W (Backlight off) 1.3~1.7W (Max. , Backlight) 2.3W (Max. Backlight & Lon module)

PA 330



Ordering Information

Order No	Model No	Product	Voltage	Size	Display	Functions
250 750	SPM 33	Multi Function Meter	220-240V	96x96	LCD	Voltage, Voltage unbalance rate, current, current unbalance rate, Active power, reactive power, apparent power, power factor, frequency, active energy, reactive energy, Total apparent energy, Dual source kwh/kvarh, kVA

Technical Details

SPM 33



SPM 33

Connection Mode	3 Phase 3 Wires, 3 Phase 4 Wires
Metering	True RMS, 1 sec refresh time
Input	Rated current : 5A or 1A Rated voltage : 220/380V, 35Hz~65Hz
Overload	Current: 120% of rated, continuously Instantaneous current : 10time/
	Low voltage system : Up to 400V (L-N) / 650V (L-L) High voltage system : Up to 650kV
Status input Voltage	2 Channel active status input, less than 60V is open, more than 140V is closed, the maximum input is 300V
Relay output (Output)	2 Channels, Node capacity : 250Vac/5A
Power frequency withstand Voltage	AC 2KV/minute
Insulation Resistance	≥ 100MΩ
Impulse withstand voltage	5kV (peak) 1 2/50uS

Power Supply	85~265VAC or 100~300VDC
Power Loss	<5VA
Communication	RS485 serial, support modbus-RTU Baudrate : 4800, 9600, 19200bps Address : 1~247
Dimension (L × W × H)	Panel : 96×96×18 mm Cut-out : 89.5×89.5×69.5 mm (+0.5mm)
IP Index	IP54 (Front panel) and IP20 (Case)
Weight	Approx. 500gr.
Environment	Normal operating temperature : -10 °C~+55°C Operating temperature : -25°C ~+55°C Storage temperature: -40°C~+70°C Humidity: 5%~95% non-condensing
Standard (EMC)	Electrostatic discharge immunity test IEC 61000-4-2, Level 4 Radiated immunity test IEC 61000-4-3, Level 4 Electrical fast transient/burst immunity test IEC 61000-4-4, Level 4 Surge immunity test (1,2/50us~8/20us) IEC 61000-4-5, Level 4