

HY-3D type three phase LCD multifunction meter



INTRODUCTION

Multifunction Power Meter can accurately measure the three-phase power distribution system for all common power parameters: three-phase voltage, phase current, active power, reactive power, power factor, line frequency, active power, reactive power, and with communication interface and pulse output functions.

FEATURE

- Using MODBUS-RTU communication protocol, to achieve LED display and remote RS-485 digital communications.
- Has easy installation, wiring is simple, easy maintenance, small quantities, field programmable set of input parameters and other characteristics.
- Can be completed with the industry PLC, industrial computer group network communication.

TECHNICAL DATA

Accuracy of measurement	Voltage level 0.5, current level 0.5, active power 0.5, reactive power level 0.5, power factor 0.5, frequency
	±0.2Hz, active energy level 0.5/0.2, reactive energy level 1/2
Singal input	Connection mode of single or three phase four wire, three phase three line
	Rated current of AC 1A, AC 5A
	Over load voltage 1.2 times (Continued), 2 times / second (instantaneous)
	Over load current 1.2 times (Continued), 10 times / 5 seconds (instantaneous)
	Power consumption voltage <1VA/phase, current: <.0.4VA/phase
	Impedance voltage: >300KΩ current: <20mΩ
	The frequency 45~65Hz
	Rated voltage of AC57.7 V, AC100V, AC220V, AC380V
Auxiliary power supply	Working range of AC/DC 80V~270V
	Power consumption <4VA
Function module	Communication interface 1 way RS-485 communication, Modbus-RTU protocol
	Baud rate: 1200~9600 bps, the default 2400 bps
	Switch input support 4 stem node input
	The switch output support 3 relay output, capacity: AC 250V/5A, DC 30V/5A
	Transmission output support 3 analog output: 0/4~20mA or 0~5/10V
Environment	Working temperature: -10°C ~+55°C
	Storage temperature: -25°C ~+70°C
	Relative humidity is less than 93%, no corrosive gas
	Elevation≤2500m
safety	Insulation resistance >100MΩ
	AC withstand voltage AC 2KV

Electromagnetic compatibility	ESD level 4
	Electrical fast transient burst level 4

Selection of Specification											
Model	Measurement				Extended Function				Display		Dimension
	3-phase electric parameters	multi-rate	harmonic	fire monit	Switch input	Switch output	Transmission output	Communication interface	LED	LCD	
HY-3D3	√	—	—	—	4	4	4	2	√	—	96*96
HY-3D3Y	√	—	—	—	4	4	4	2	—	√	
HY-3FD3Y	√	√	—	—	4	4	4	2	—	√	
HY-3HD3Y	√	—	√	—	4	4	4	2	—	√	
HY-3LD3	√	—	—	√	4	—	—	2	√	—	
HY-3LD3Y	√	—	—	√	4	—	—	2	—	√	
HY-FHD3Y	√	√	√	—	4	4	4	2	—	√	