

D100B / D1000B

DIN Rail Power Meter

With RS485 Communication
Modbus RTU Protocol



VApower



APPLICATION

D100B / D1000B electronic DIN-rail power meter, LCD display.

The meter is used to measure 50Hz or 60Hz power system from three phase four wire AC electricity net.

The features of small size & DIN-rail mounting makes it suitable for installation in distribution boards and small standard enclosures.

The meter is widely used in the office buildings, shopping malls, residences, airports and metro, etc.

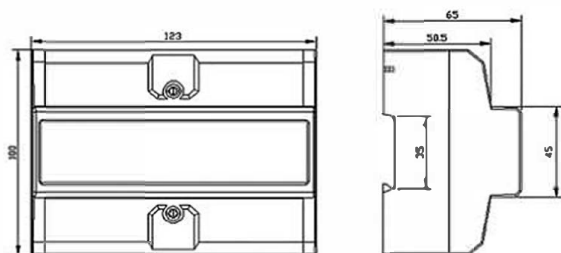
FUNCTIONS AND FEATURES

- ◆ 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board installed (mounting holes center distance 63 mm), users can choose any one by themselves.
- ◆ LCD 6+2 digits display without backlighting; May select with white backlighting, and there is maintenance-free battery used for display when power-supply cut off.
- ◆ Standard configuration one port of pulse output passive (polarity), may select increase a distant port of pulse output passive (non-polarity), complying with standard IEC62053-31 and DIN 43864.
- ◆ LED indicates respectively power-supply, impulse, and communication, etc.
- ◆ Single direction three components measure three phase four wire active energy consumption for D1000B. It is nothing with direction of the flow of load current, complying with standard IEC62053-21, IEC62052-11.
- ◆ May select two components measure three phase three wire active energy or two phase three wire active energy for D1000B.
- ◆ Direct connect operation or through CT or PT & CT.
- ◆ Standard configuration short terminal cover, which is helpful to reduce installation space and make it convenient to install; May select extended terminal cover.

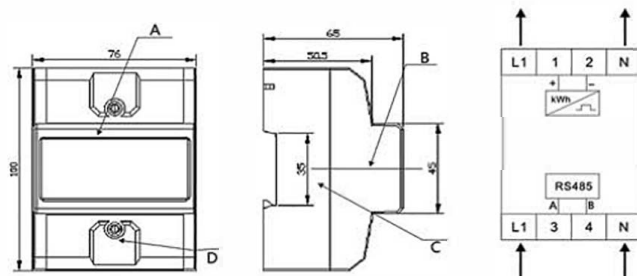
Item	D100B
Product Parameters	
Product Name :	Single Phase Din-rail Power Meter
Product Size:	76 * 65 * 100mm
Current:	5(20)A / 10(40)A / 15(60)A / 20(80)A / 30(100)A
Communication Port:	RS485
Baud rate:	1200bps, 2400bps, 4800bps, 9600bps
Communication protocol:	MODBUS-RTU
Accuracy:	Class 1
Measurements:	Voltage, Current, kW, kVar, PF, Frequency and Total kWh
Item	D1000B
Product Parameters	
Product Name :	3Phase 4Wire Power Meter
Product Size:	123 * 65 * 100mm
Current:	1.5(6)A / 5(20)A / 10(40)A / 15(60)A / 20(80)A / 30(100)A
Communication Port:	RS485
Baud rate:	1200bps, 2400bps, 4800bps, 9600bps
Communication protocol:	MODBUS-RTU
Accuracy:	Class 1
Measurements:	Voltage, Current, kW, kVar, PF, Frequency, Total kWh, Total kW, Avg. Voltage and Avg. Current

INSTALLATION AND WIRING

Installation photo and Wiring photo for D1000A



Installation photo and Wiring photo for D100A



	L2/L2	Ib IN/OUT
	L3/L3	Ic IN/OUT
	2/3	RS485
	4/5	PULSE

	L1/L1	Ia IN/OUT
	L2/L2	Ib IN/OUT
	L3/L3	Ic IN/OUT
	6/7/8/N	Phase A/B/C/N
	N	N
	2/3	RS485
	4/5	PULSE

ORDER CODE

D

Meter Type	Description	Code
D100B / D1000B	Direct current input 30(100)A	100
	Direct current input 20(80)A	80
	Direct current input 10(60)A	60
	Direct current input 5(30)A	30
	CT input 1.5(6)A	6

Example

D 1000B 100

- means 3 phase energy meter with direct current input 10(100)B.