Bruntab











Smart Power Meter



Bruntab BRN3-CT/D Three Phase DIN rail Energy Meter

Bruntab BRN3-CT/D three phase DIN rail energy meter is an intelligent instrument designed mainly for electric energy statistics and management needs of power systems, industrial and mining enterprises, and public facilities. The 3 phase din rail energy meter has the advantages of high precision, small size, and convenient installation.

Three phase din rail energy meter BRN3-CT/D can measure all power parameters, with 2~31 sub-harmonic and total harmonic content detection. With RS485 communication interface and optional MODBUS-RTU protocol, the power meter can be widely used in various control systems, SCADA systems, and energy management systems.

Main Functions



Full Parameter Measurement High precision Easy Installation Small Volume

Measurment 1	3-phase AC kWh, kVarh		
Measurment 2	U,I,P,Q,S,PF,F and etc		
Display	LCD Display		
НМІ	Keypads Programming		
Communication	Rs485 (MODBUS-RTU)		
Multi-rate/tariff	4 Tariff Rates and etc		
Harmonic	2~31st&Total Harmonic		
Data Function	Data Fronzen, Max Demand		











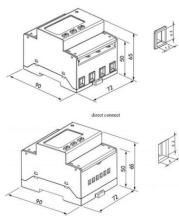


Parameters of BRN3-CT/D Three Phase Din Rail Energy Meter

technical parameter descriptions						
project			performance parameter			
Specification			3 phase 3 wires, 3 phase 4 wires			
	Voltage	Reference voltage	3×100V、3×380V、3×57.7/100V、3×220/380V			
		Consumption	<10VA(Single phase)			
		Impedance	>2ΜΩ			
		Accuracy class	Error±0.2%			
Measurement	Current	Input current	3×1(6)A, 3×10(80)A			
		Consumption	<1VA Single phase rated current			
		Accuracy class	Error±0.2%			
	Power		Active, reactive, apparent power, error±0.5%			
	Frequency		45∼65Hz, Error±0.2%			
Meter	Energy		Active energy(Accuracy class: 0.5) reactive energy(Accuracy class 2)			
Wicter	Clock		≤0.5s/d			
Digit signal	Energy pulse output		1 active photocoupler output			
	Width of pulse		80±20ms			
pulse	Pulse constant		400imp/kWh,10000imp/kWh(Correspond with the basic current)			
	lest cofe and an		RS485: Modbus RTU			
communication	Interface and co	mmunication protocol	RS485: Modbus RTU			
	Range of communication address		Modbus RTU:1~ 247;			
	Baud rate		1200bps~19200bps			
environment	working temperature		-25°C~+55°C			
environment						



Relative humidity



≤95%(No condensation)