

DZ81-DZS500

Three Phase Multi-function Power & Energy Meter

Features & Functions

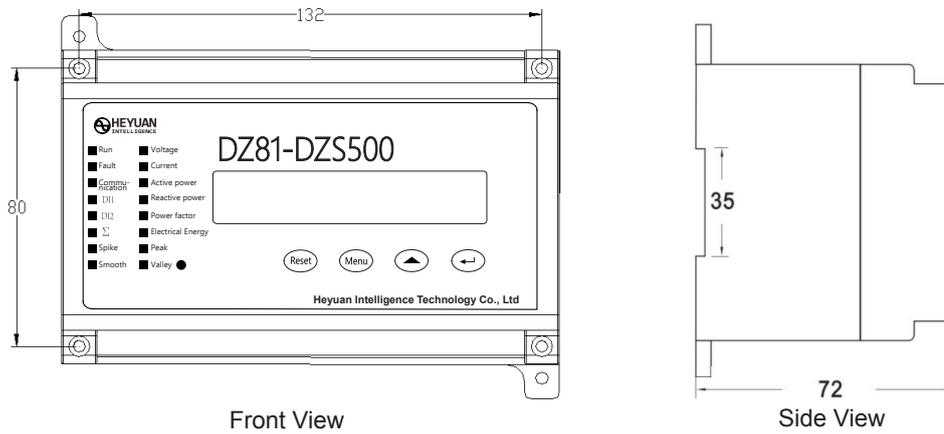
- Measuring all parameters: three phase voltage, current, line voltage, zero-sequence current, zero-sequence voltage, voltage unbalance, current unbalance, active power, reactive power, apparent power, power factor, frequency, active energy, reactive energy etc.
- Standard CT, PT or voltage direct connected, suitable for various wiring modes under high or low voltage environment
- Current & power indicator diagram (cycle self-adjusting)
- Synchronous indicator diagram
- Undervoltage tripping
- Open-phase tripping
- Voltage unbalance tripping; current unbalance tripping
- Over-voltage/ over-current tripping
- Bi-Directional active energy metering, reactive energy metering
- Analysis of current/voltage harmonic (2-31times)
- Multi-tariff (optional), available for querying past 12 months' energy
- Off-limit alarm and alarm event record
- SOE records accurate to milliseconds
- Demand analysis
- Motor protection
- 1×RS485/Lora (optional), Modbus RTU communication protocol
- 1×programmable energy pulse output
- 3 DI (optional)
- 2 DO (optional)
- LED display



Technical Parameters

Technical Parameters-DZS500		
Accuracy Class		Voltage: 0.2; Current: 0.2; Frequency: 0.05 Hz; Power Factor: 0.5
		Active Power: 0.5; Reactive Power: 0.5; Apparent Power: 0.5
		Active Energy: 0.5S/1; Reactive energy: 2
Input	Rated Value	Voltage: 100V/ 400V; Current: 1A/ 5A
	Overload	Voltage: Sustained Overload: 1.2 times of the rated value Momentary Overload: 2 times of the rated value Current: Sustained Overload: 1.2 times of the rated value Momentary Overload: 10 times of the rated value
	Frequency	45-60Hz
Functional Module	Pulse Output	1
	Interface	1* RS485; Modbus RTU Communication Protocol; Baud Rate: 1200-19200bps
	DI	3 DI
	DO	2 DO (AC250V/5A, DC30V/5A)
Power Supply	Working Range	AC: 85-265V; DC: 85-300V
	Consumption	< 3W
Working Condition	Temperature	Operating: -20℃ ~+70℃ ; Storage: -40℃ ~+80℃
	Humidity	Relative Humidity: ≤93% (place without corrosive gas)
	Altitude	≤ 4000m
Dimensions	132×80×70mm	
Installation	Standard Din rail installation	

Dimensions



Wiring Diagram

