

DDS70 PLC



Single Phase PLC meter for Residential application



DDS70 PLC is designed with high integration, good performance & communication function via power lines, as well as manufactured to IEC 62052-11 and IEC 62053-21 standards.

Upon accurate measurement of active energy, energy data flows to collector in bi-direction. The meter, as an endpoint of remote billing system, offers a most efficient solution for PAX advanced GET REMOTE™ AMR/AMI system.

High Integration

DDS70 PLC is programmed with high integration technology carrying energy metering circuitry and PLC communication module, which steadily supports active energy metering, data memorizing and transferring.

Good Performance

With good overload capacity and linearity, DDS70 PLC operates steadily & accurately for long time without any maintenance.

PLC Communication technology

- Ordinal extend-frequency communication
- BFSK modulating and semiduplex communication modes
- Communicating with 120KHz carrier frequency, 15KHz bandwidth and 500 transmission rate
- Effective in avoiding redress error

PLC features

- Communication via existing power lines, reduced additional cost
- Reliability against interruption during communication
- Low energy feedback in network
- Signal sensitiveness brings high reliability
- Programmable network address

Real Time Meter Reading

Integrating with remote billing system, the meter enables real time reading for optional data, which meets customers' requirements.

Remote Control

Function of power supply control can be realized for utilities using remote disconnect signal by relay module inside.

Pulse Output

The meter is equipped with pulse output ports conforming to IEC 62053-31 standard.

- ▶ High Integration
- ▶ Remote Communication via Power Lines
- ▶ High Data Security
- ▶ Stable Performance and long life-time

 Active power

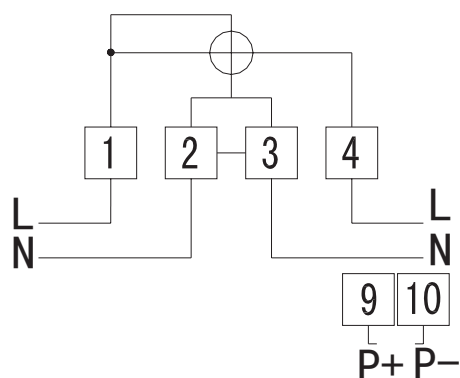
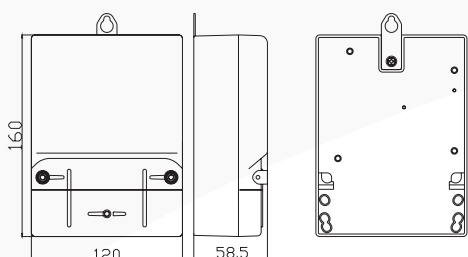
 Single or double direction

 Pulse output

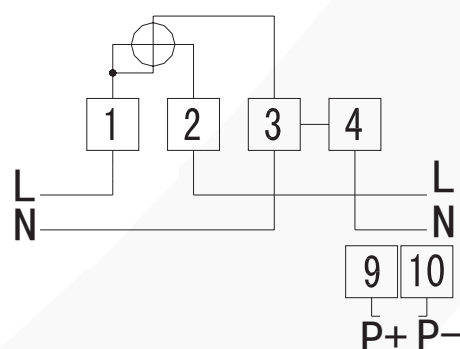
DDS70 PLC



DIMENSION



► BS STANDARD

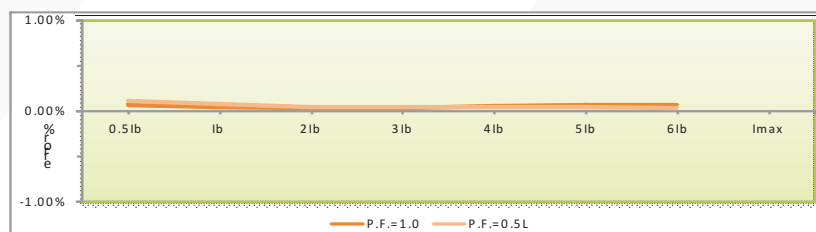


► DIN STANDARD

Technical Specification

Voltage	Reference Voltage	220V/230V/240V
	Voltage Range	0.8Un—1.2Un
Frequency	Reference Frequency	50Hz/60Hz
Current	Base Current	Selectable 5A、10A、15A
	Max Current	Selectable 20A、30A、40A、60A
Measurement Accuracy	Active energy to IEC62053-21	Class 1 or Class 2
	Starting Current	0.4%Ib to class 1 and 0.5%Ib to class 2
Power consumption	Voltage circuit	≤1W, 5VA
	Current circuit	≤2VA
Environment Influences	Operation	-25℃ to +55℃
	Storage	-40℃ to +70℃
	Impermeability according to IEC62059	IP52
Insulation Strength	Insulation Strength	4kV at 50Hz during 1 min
	Impulse voltage	1.2/50us 6kV
	Protection class	II according to IEC62052-11
Display	Type	LCD
	Digit size in value field	10mm 5mm
	Number of positions in value field	8 (6+2)
Communication Interfaces	Power line carrier	
Outputs	Test pulse output	LED / Photocoupler series
Dimensions	Width	120mm
	Height	160mm
	Depth	58.5mm

Typical Performance Curve



Owing to periodical improvements of our products
The supplied products can differ in some details from the data stated in the prospectus material

Manufactured under a quality system approved to ISO9001

HANGZHOU PAX ELECTRONIC TECHNOLOGY CO., LTD.
Add: Floor 5~6, Block B, Huahong Mansion, No.248, Tianmushan Road, Hangzhou, P.R. China. Postcode: 310018
Tel: +86-571-86717911 Fax: +86-571-86717910
E-mail: market@paxhz.com
For more information www.paxhz.com