

Uh, Uu, Iu, Iu, Ib, Ic, as shown in Figure 23 Press "Esc" to quit the harmonic value.

Similarly, operate "harmonic bar" in the same way, as shown in Figure 24.

Uh	Uu	Iu	Iu	Ib	Ic
1	0.00%	17	0.00%	22	0.00%
2	0.00%	5	0.00%	23	0.00%
3	0.00%	13	0.00%	24	0.00%
4	0.00%	14	0.00%	25	0.00%
5	10.00%	15	0.00%	26	0.00%
6	0.00%	16	0.00%	27	0.00%
7	0.00%	17	0.00%	28	0.00%
8	0.00%	18	0.00%	29	0.00%
9	0.00%	19	0.00%	30	0.00%
10	0.00%	20	0.00%	30	0.00%
11	0.00%	21	0.00%	31	0.00%

Figure 23 harmonic value

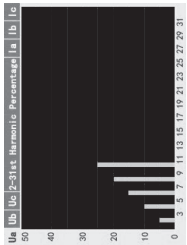


Figure 24 harmonic bar

6.2.9 SOE

In the main interface, select "SOE" menu and press "Menu" entering SOE display interface, as shown in Figure 25, including "switch in", "relay out". Press "←" or "→" to turn to switch-in SOE interface or relay-out SOE interface. Press "Esc" to turn to the main interface.

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Uh, Uu, Iu, Iu, Ib, Ic, as shown in Figure 22 Press "Esc" to quit the harmonic value.

Similarly, operate "harmonic bar" in the same way, as shown in Figure 24.

Uh	Uu	Iu	Iu	Ib	Ic
1	0.00%	17	0.00%	22	0.00%
2	0.00%	5	0.00%	23	0.00%
3	0.00%	13	0.00%	24	0.00%
4	0.00%	14	0.00%	25	0.00%
5	10.00%	15	0.00%	26	0.00%
6	0.00%	16	0.00%	27	0.00%
7	0.00%	17	0.00%	28	0.00%
8	0.00%	18	0.00%	29	0.00%
9	0.00%	19	0.00%	30	0.00%
10	0.00%	20	0.00%	30	0.00%
11	0.00%	21	0.00%	31	0.00%

Figure 22 harmonic value

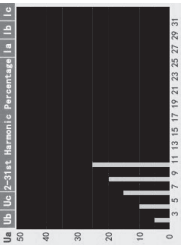


Figure 23 harmonic bar

the the main interface, select "SOE" menu and press "Menu" entering SOE display interface, as shown in Figure 25, including "switch in", "relay out". Press "←" or "→" to turn to switch-in SOE interface or relay-out SOE interface. Press "Esc" to turn to the main interface.

6.2.9 SOE

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In the harmonic value interface, press "←" or "→" to display the harmonic value of Uu.

Figure 22 THD interface

THD	THD/a	THD/b	THD/c
0.05%	0.07%	3.00%	0.05%
0.05%	0.05%	1.00%	0.01%

Figure 21 harmonic submain interface

Harmonic	Unbalance
THD	
Harmonic Value	
Harmonic Bar	
Vol. Har. Cons	
Cur. Har. Cons	

Figure 19 harmonic menu interface

Harmonic	Unbalance
THD	
Harmonic Value	
Harmonic Bar	
Vol. Har. Cons	
Cur. Har. Cons	

Similarly, operate "Unbalance" in the same way.

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In the harmonic value interface, press "←" or "→" to display the harmonic value of Uu.

THD	THD/a	THD/b	THD/c
0.05%	0.07%	3.00%	0.05%
0.05%	0.05%	1.00%	0.01%

Figure 21 harmonic submain interface

Harmonic	Unbalance
THD	
Harmonic Value	
Harmonic Bar	
Vol. Har. Cons	
Cur. Har. Cons	

Figure 19 harmonic menu interface

Harmonic	Unbalance
THD	
Harmonic Value	
Harmonic Bar	
Vol. Har. Cons	
Cur. Har. Cons	

Similarly, operate "Unbalance" in the same way.

embedded into the installation hole, and push tightly by hand.

5.3 Wiring method

5.3.1 Signal input

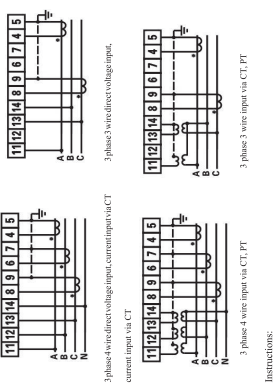


Figure 23 wiring diagrams

■ voltage input: the input voltage should be no more than the rated input voltage of the product (100V/220V or 380V), otherwise PT should be used, the secondary side of PT cannot be short-circuited. It is recommended to install 1A fuse in the voltage input terminal.

■ current input: standard rated input current is 5A or 1A, external CT should be used when it is over 5A or 1A, the secondary side of CT cannot be open-circuited. If the used CT has other meters connected, the wiring should adopt series connection, the primary loop of CT should be open or the secondary loop of CT should be short-circuited before the current of the disassembling product inputs the wiring. It's recommended to use line bank for easy disassembly;

■ make sure input voltage, current corresponding, sequence consistent, direction

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embedded into the installation hole, and push tightly by hand.

5.3 Wiring method

5.3.1 Signal input

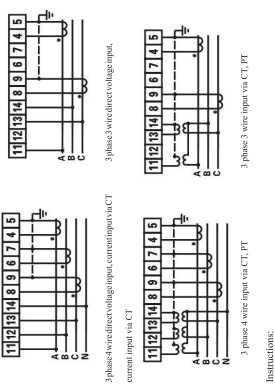


Figure 23 wiring diagrams

■ voltage input: the input voltage should be no more than the rated input voltage of the product (100V/220V or 380V), otherwise PT should be used, the secondary side of PT cannot be short-circuited. It is recommended to install 1A fuse in the voltage input terminal.

■ current input: standard rated input current is 5A or 1A, external CT should be used when it is over 5A or 1A, the secondary side of CT cannot be open-circuited. If the used CT has other meters connected, the wiring should adopt series connection, the primary loop of CT should be open or the secondary loop of CT should be short-circuited before the current of the disassembling product inputs the wiring. It's recommended to use line bank for easy disassembly;

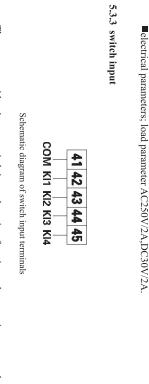
■ make sure input voltage, current corresponding, sequence consistent, direction

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The meter provides 4-wire switch input detecting function, adopt passive star mode resistive signal input method, external power supply is needless. When the external is on, sample the connection information through switch input module of the meter, the interface

Schematic diagram of switch input terminals



■ electrical parameters: load parameter AC250V/2A, DC30V/2A.

5.3.2 relay output

The meter provides 4-wire relay switch output function, can be used for alarm indication, processing control output functions in all kinds of places. When switch output is valid, the relay is on, when switch output is on, the relay is off.

■ each output can be equipped with remote control and alarm function (alarm is divided into upper alarm and lower alarm)

■ when the output is set as remote control, it can control the state of the switch quantity by host computer.

■ when the output is set as alarm function, more than 38 electrical parameters can be chosen as the alarm parameters, the alarm value can be modified by manual or communication of host computer.

■ electrical parameters: load parameter AC250V/2A, DC30V/2A.

5.3.3 switch input

The meter provides 4-wire switch input detecting function, adopt passive star mode resistive signal input method, external power supply is needless. When the external is on, sample the connection information through switch input module of the meter, the interface

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THD	THD/a	THD/b	THD/c
0.05%	0.07%	3.00%	0.05%
0.05%	0.05%	1.00%	0.01%

Figure 21 THD interface

Harmonic	Unbalance
THD	
Harmonic Value	
Harmonic Bar	
Vol. Har. Cons	
Cur. Har. Cons	

Figure 22 THD interface

Harmonic	Unbalance
THD	
Harmonic Value	
Harmonic Bar	
Vol. Har. Cons	
Cur. Har. Cons	

Similarly, operate "Unbalance" in the same way.

Table 4

Parameter name	Conversion formula	Unit	Parameter item
Voltage	$U = \frac{RX \times U_{ref}}{I_{ref}}$	V	Ua, Ub, Uc, Uab, Ubc, Uca
current	$I = \frac{RX \times I_{ref}}{U_{ref}}$	A	Ia, Ib, Ic
Active power	$P = \frac{RX \times U_{ref} \times I_{ref}}{W}$	W	Pa, Pb, Pc, Pt
Reactive power	$Q = \frac{RX \times U_{ref} \times I_{ref}}{var}$	var	Qa, Qb, Qc, Qt
Apparent power	$S = \frac{RX \times U_{ref} \times I_{ref}}{VA}$	VA	Sa, Sb, Sc, St

4.3 Self-defined communication commands

Refer to Appendix c.

5 External instructions and installation

5.1 External drawing and dimension

Model	Panel size (width × height)	Casing size (width × height × depth)
PD7777-3H	96mm × 96mm	90mm × 80mm × 72mm

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Table 4

Parameter name	Conversion formula	Unit	Parameter item
Voltage	$U = \frac{RX \times U_{ref}}{I_{ref}}$	V	Ua, Ub, Uc, Uab, Ubc, Uca
current	$I = \frac{RX \times I_{ref}}{U_{ref}}$	A	Ia, Ib, Ic
Active power	$P = \frac{RX \times U_{ref} \times I_{ref}}{W}$	W	Pa, Pb, Pc, Pt
Reactive power	$Q = \frac{RX \times U_{ref} \times I_{ref}}{var}$	var	Qa, Qb, Qc, Qt
Apparent power	$S = \frac{RX \times U_{ref} \times I_{ref}}{VA}$	VA	Sa, Sb, Sc, St

4.3 Self-defined communication commands

Refer to Appendix c.

5 External instructions and installation

5.1 External drawing and dimension

Model	Panel size (width × height)	Casing size (width × height × depth)
PD7777-3H	96mm × 96mm	90mm × 80mm × 72mm

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Figure 5 side view

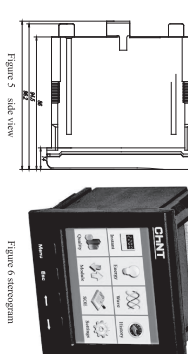


Figure 6 stereogram

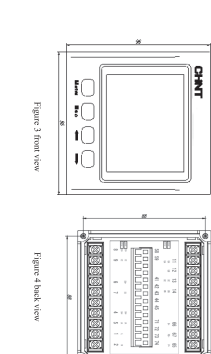


Figure 3 front view

Figure 4 back view

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Figure 6 stereogram

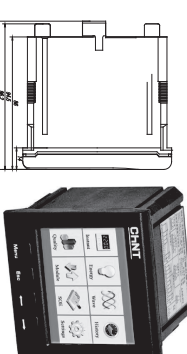


Figure 5 side view

Note: The picture is a schematic diagram, subject to the real thing

5.2 Installation method

- 1 Take the meter, clamping parts and manual out;
- 2 Cut a hole in the installation screen according to the external and installation size of the meter;
- 3 Push the clamping parts into the card groove of the meter after the meters

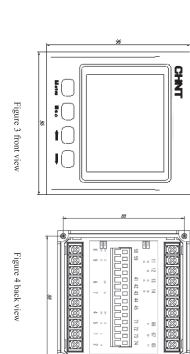


Figure 3 front view

Figure 4 back view

6.2.7 Settings

In the main interface, select "SOE" menu and press "Menu" entering the password input interface, as shown in Figure 26.

Note: The factory password is assumed to be "0000".

Press "Menu" to confirm the password. Press "Esc" to turn to the main interface. If the password is not correct, it prompts whether the password is wrong. If the password is right, enter the settings menu interface, as shown in Figure 27.

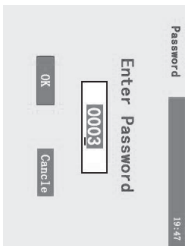


Figure 26 password input interface

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Switch In	Relay Out	Date	Time
No. On State	01	2015-06-05	12:27:20
02	01	2015-06-05	12:27:19

Figure 25 switch in SOE interface

6.2.7 Settings

In the main interface, select "SOE" menu and press "Menu" entering the password input interface, as shown in Figure 26.

Note: The factory password is assumed to be "0000".

Press "Menu" to confirm the password. Press "Esc" to turn to the main interface. If the password is not correct, it prompts whether the password is wrong. If the password is right, enter the settings menu interface, as shown in Figure 27.

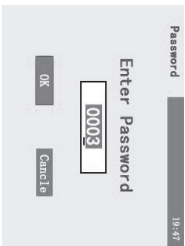


Figure 26 password input interface

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Figure 26 password input interface

Parameter name	Conversion formula	Unit	Parameter item
Voltage	$U = \frac{RX \times U_{ref}}{I_{ref}}$	V	Ua, Ub, Uc, Uab, Ubc, Uca
current	$I = \frac{RX \times I_{ref}}{U_{ref}}$	A	Ia, Ib, Ic
Active power	$P = \frac{RX \times U_{ref} \times I_{ref}}{W}$	W	Pa, Pb, Pc, Pt
Reactive power	$Q = \frac{RX \times U_{ref} \times I_{ref}}{var}$	var	Qa, Qb, Qc, Qt
Apparent power	$S = \frac{RX \times U_{ref} \times I_{ref}}{VA}$	VA	Sa, Sb, Sc, St

In the settings menu interface, select "Specification", "Digital", "Language", "Communication", "Time", "←" or "→" to select a submain item, then Press "Menu" to enter corresponding interface, Press "Esc" to turn to the the level level interface.

In the settings menu interface, it includes, "Specification", "Digital", "Language", "Communication", "Time", "←" or "→" to select a submain item, then Press "Menu" to enter corresponding interface, Press "Esc" to turn to the the level level interface.

Parameter name	Conversion formula	Unit	Parameter item
Voltage	$U = \frac{RX \times U_{ref}}{I_{ref}}$	V	Ua, Ub, Uc, Uab, Ubc, Uca
current	$I = \frac{RX \times I_{ref}}{U_{ref}}$	A	Ia, Ib, Ic
Active power	$P = \frac{RX \times U_{ref} \times I_{ref}}{W}$	W	Pa, Pb, Pc, Pt
Reactive power	$Q = \frac{RX \times U_{ref} \times I_{ref}}{var}$	var	Qa, Qb, Qc, Qt
Apparent power	$S = \frac{RX \times U_{ref} \times I_{ref}}{VA}$	VA	Sa, Sb, Sc, St

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Figure 28 specification interface

Parameter name	Conversion formula	Unit	Parameter item
Voltage	$U = \frac{RX \times U_{ref}}{I_{ref}}$	V	Ua, Ub, Uc, Uab, Ubc, Uca
current	$I = \frac{RX \times I_{ref}}{U_{ref}}$	A	Ia, Ib, Ic
Active power	$P = \frac{RX \times U_{ref} \times I_{ref}}{W}$	W	Pa, Pb, Pc, Pt
Reactive power	$Q = \frac{RX \times U_{ref} \times I_{ref}}{var}$	var	Qa, Qb, Qc, Qt
Apparent power	$S = \frac{RX \times U_{ref} \times I_{ref}}{VA}$	VA	Sa, Sb, Sc, St

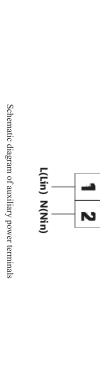
In the settings menu interface, it includes "Specification", "Digital", "Language", "Communication", "Time", "←" or "→" to select a submain item, then Press "Menu" to enter corresponding interface, Press "Esc" to turn to the upper level interface.

In the settings menu interface, it includes "Specification", "Digital", "Language", "Communication", "Time", "←" or "→" to select a submain item, then Press "Menu" to enter corresponding interface, Press "Esc" to turn to the upper level interface.

Parameter name	Conversion formula	Unit	Parameter item
Voltage	$U = \frac{RX \times U_{ref}}{I_{ref}}$	V	Ua, Ub, Uc, Uab, Ubc, Uca
current	$I = \frac{RX \times I_{ref}}{U_{ref}}$	A	Ia, Ib, Ic
Active power	$P = \frac{RX \times U_{ref} \times I_{ref}}{W}$	W	Pa, Pb, Pc, Pt
Reactive power	$Q = \frac{RX \times U_{ref} \times I_{ref}}{var}$	var	Qa, Qb, Qc, Qt
Apparent power	$S = \frac{RX \times U_{ref} \times I_{ref}}{VA}$	VA	Sa, Sb, Sc, St

Figure 27 setting menu interface

5.3.6 Auxiliary power supply



The meter can only work normally with external auxiliary power supply (please see the specification in the label of the meter). It has the common (AC/DC) power input terminal, limit working voltage is AC/DC35V~24V. In case the meter will be damaged accidentally, it's recommended to install 1A fuse wire on the live wire side when it is AC power supply, in the area where the power quality is poorer, it's recommended to install surge suppresser and fast impulse group suppresser in the power circuit.

5.4 diagnosis, analysis, exclusion of common fault

5.4.1 no display when the meter is power on

make sure the supplied power is suitable for this series of meter or not before power on, and check if the connection of the meter is correct or not carefully. If the connection diagram is different from that in the casing of the meter, please take according to the connection diagram in the casing. Turn the multi-meter gear to 1000V AC, and check if the auxiliary power supply has the required voltage for working.

5.4.2 No change of the measurement while the input signal changes

Check and ensure the connection of the signal input terminals is right, contact is reliable, can measure on-off condition of the corresponding signal input terminals through on-off gear of the multi-meter.

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5.3.5 Auxiliary power supply



Schematic diagram of auxiliary power terminals

The meter can only work normally with external auxiliary power supply (please see the specification in the label of the meter). It has the common (AC/DC) power input terminal, limit working voltage is AC/DC35V~24V. In case the meter will be damaged accidentally, it's recommended to install 1A fuse wire on the live wire side when it is AC power supply, in the area where the power quality is poorer, it's recommended to install surge suppresser and fast impulse group suppresser in the power circuit.

5.4 diagnosis, analysis, exclusion of common fault

5.4.1 no display when the meter is power on

make sure the supplied power is suitable for this series of meter or not before power on, and check if the connection of the meter is correct or not carefully. If the connection diagram is different from that in the casing of the meter, please take according to the connection diagram in the casing. Turn the multi-meter gear to 1000V AC, and check if the auxiliary power supply has the required voltage for working.

5.4.2 No change of the measurement while the input signal changes

Check and ensure the connection of the signal input terminals is right, contact is reliable, can measure on-off condition of the corresponding signal input terminals through on-off gear of the multi-meter.

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Electrical parameters: impulse sampling interface circuit VecSSV, RS=50mA, impulse constant: 1000imp/kWh(kWh).

Electrical parameters: RS=485 communication terminals

The meter provides 1-way 485 communication interface of industrial Modbus protocol, can realize network communication for max. 247 slave computers at the same time.

Electrical parameters: characteristic impedance is 120Ω, input resistance<24KΩ, baud rate: 1200bps, 2400bps, 4800bps, 9600bps, 19200bps optional.



Schematic diagram of RS-485 communication terminals

Electrical parameters: RS=485 communication terminals

The meter provides 1-way 485 communication interface of industrial Modbus protocol, can realize network communication for max. 247 slave computers at the same time.

Electrical parameters: characteristic impedance is 120Ω, input resistance<24KΩ, baud rate: 1200bps, 2400bps, 4800bps, 9600bps, 19200bps optional.

5.3.4 RS-485 communication

Electrical parameters: RS=500Ω is on, RS>100KΩ is off.

display is on-state. When the external is off, sample off information through the switch input module of the meter, the interface display is off-state.

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Electrical parameters: RS=500Ω is on, RS>100KΩ is off.

Schematic diagram of power impulse output terminals



Electrical parameters: characteristic impedance is 120Ω, input resistance<24KΩ, baud rate: 1200bps, 2400bps, 4800bps, 9600bps, 19200bps optional.

5.3.5 Power impulse output

The meter provides 1-way 485 communication interface of industrial Modbus protocol, can realize network communication for max. 247 slave computers at the same time.

RS-485 communication terminals



5.3.4 RS-485 communication

Electrical parameters: RS=500Ω is on, RS>100KΩ is off.

display is on-state. When the external is off, sample off information through the switch input module of the meter, the interface display is off-state.

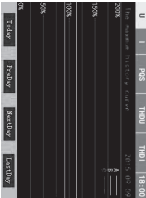


Figure 13: current minimum history curve

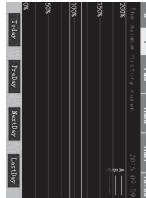


Figure 14: current maximum history curve



Figure 15: voltage maximum history curve

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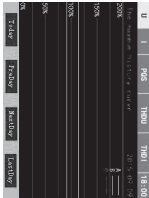


Figure 16: THD(1) 99% maximum probability curve

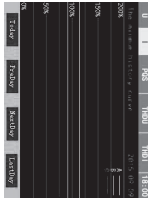


Figure 17: THD(1) 99% maximum probability curve

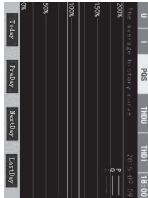


Figure 18: Control bar of history curve

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-20-

NOTE:"Menu"<OK>or confirm

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

There is 8 function menu items in the main interface, including "Instant", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings". Click on the "←" or "→" button to switch between the 8 menu items. Then, click "Menu", enter corresponding interface or its sub menu.

6.2.5 Quality

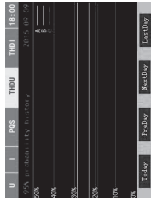


Figure 19: THD(1) 99% maximum probability curve

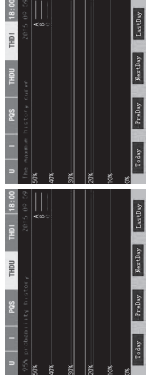


Figure 20: THD(1) 99% maximum probability curve

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NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

6.2.5 Quality

Figure 19: Control bar of history curve

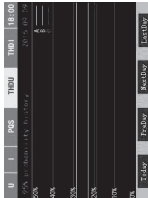


Figure 17: THD(1) 99% maximum probability curve

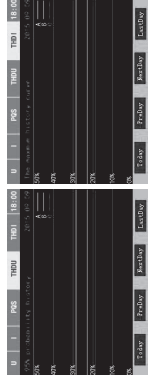


Figure 16: THD(1) 99% maximum probability curve

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm



Figure 7: main interface

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

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NOTE:"Menu"<OK>or confirm

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

There is 8 function menu items in the main interface, including "Instant", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings". Click on the "←" or "→" button to switch between the 8 menu items. Then, click "Menu", enter corresponding interface or its sub menu.



Figure 7: main interface

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-22-

NOTE:"Menu"<OK>or confirm

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

There is 8 function menu items in the main interface, including "Instant", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings". Click on the "←" or "→" button to switch between the 8 menu items. Then, click "Menu", enter corresponding interface or its sub menu.

6.2.5 Quality

NOTE:"Menu"<OK>or confirm

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

There is 8 function menu items in the main interface, including "Instant", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings". Click on the "←" or "→" button to switch between the 8 menu items. Then, click "Menu", enter corresponding interface or its sub menu.

5.4.4 Communication failure

NOTE:"Menu"<OK>or confirm

5.4.3 The symbol of power, power factor and power data is incorrect

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NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

6.2.5 Quality

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

5.4.4 Communication failure

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

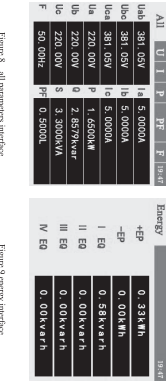


Figure 8: all parameters interface

6.2.2 Energy

In the main interface, select "Energy" menu and press "Menu" entering the energy interface, as shown in Figure 9. Press "Esc" to turn to the main interface.

6.2.3 Wave

In the main interface, select "Wave" menu and press "Menu" entering the voltage real-time wave interface, as shown in Figure 11.

Press "←", "→", "↑", "↓" will turn to "Current", "Voltage", "Power", "Power Factor", "Frequency", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings".

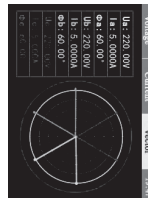


Figure 10: real-time voltage wave interface

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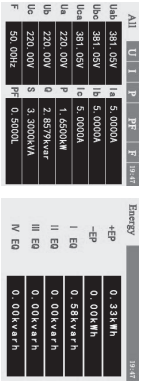


Figure 9: all parameters interface

6.2.2 Energy

In the main interface, select "Energy" menu and press "Menu" entering the energy interface, as shown in Figure 9. Press "Esc" to turn to the main interface.

6.2.3 Wave

In the main interface, select "Wave" menu and press "Menu" entering the voltage real-time wave interface, as shown in Figure 11.

Press "←", "→", "↑", "↓" will turn to "Current", "Voltage", "Power", "Power Factor", "Frequency", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings".

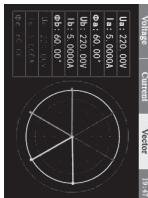


Figure 10: real-time voltage wave interface

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-22-

NOTE:"Menu"<OK>or confirm

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

There is 8 function menu items in the main interface, including "Instant", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings". Click on the "←" or "→" button to switch between the 8 menu items. Then, click "Menu", enter corresponding interface or its sub menu.

Figure 11: vector interface

NOTE:"Menu"<OK>or confirm

6.2.1 Instance

In the main interface, select "Instant" menu and press "Menu" entering all parameters display interface, as shown in Figure 8. Press "←", "→", "↑", "↓" will turn to "V(voltage)", "I(current)", "P(power)", "PF(power factor)" or "F(frequency)" interface. Press "Esc" to turn to the main interface.

There is 8 function menu items in the main interface, including "Instant", "Energy", "Wave", "History", "Quality", "Module", "SOE", "Settings". Click on the "←" or "→" button to switch between the 8 menu items. Then, click "Menu", enter corresponding interface or its sub menu.

5.4.4 Communication failure

NOTE:"Menu"<OK>or confirm

5.4.3 The symbol of power, power factor and power data is incorrect

-22-

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6.2.5 Quality

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NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm

5.4.4 Communication failure

NOTE:"Menu"<OK>or confirm

NOTE:"Menu"<OK>or confirm