	2.2 Rated	paramet	ters				3.3 T	ermi	nal wiri	ing				_		A B C	N
COMPERE KPM75 Power Quality Analysis Meter Instruction Manual V1.1	Device working Rated AC data Phase voltage: 4 AC current: 5A of Frequency : 501	ice working power supply: AC 85-265VAC , DC 100-30V ed AC data se voltage: 57V/220V/400V surrent: 5A or 1A(Order description) quency : 50Hz ch input : Internal 24VDC DC power supply,40ms debounce time switch						30 29 28 27 26	485A 485B 485G P- P+	44 00 43 00 42 00 41 00	042 · · · · · · · · · · · · · · · · · · ·		a- a+ b- b+				
	Switch input : In output.	iternal 24VI	DC DC powe	r supply ,40ms (debounce t	ime switch			25	РТСВ	40 DC	022				cr	
Danger and Warning The device may only be installed by professionals. Caused any malfunction due to not follow the instructions in this manual, Manufacturers will not bear any responsibility.	Small high powe Contact capacity Power consump AC voltage loop AC current loop	errelays: y: 250VAC/ tion : <0.5VA/ : <0.75VA	5A,30VDC/ phase (rated / phase (5A	5A 1))					24 23 22 21 20 19	Un Uc	38 DC 37 DC 36 A 35 CI 34 D	012 011 011 00 00 14	9 8 7 48 6 44 5 48 5 48 4	C- C+ 35A 35B 35G PE			
▲ Electric shock, burning and explosion	AC current loop : < 0.25VA / phase (1A) Device power supply circuit: <3VA Overload capacity AC vultage loop : 1 2 lings the rated valtage Continuous operation 2 lings the																
 Devices can only be qualified by the staff to install and maintain. 	rated voltage,Al	low 10S					Index	Mark	Define	Index	Mark	Define	Index	Mark	Define	1	
Before any operation on the Devices, should be isolated from the voltage input and power supply, and the secondary windings of all current	AC current loop: rated voltage,Al	1.2 times ti low 1S	he rated voli	age,Continuous	soperation	,20 times the	1	1/+	nositive	16	Ua	A-phase	31	D11	Switch input		Fou
transformers are Short circuit.	Baramotor	Accuracy	Posolution	Paramotor	Accuracy	Posolution		27.	poolaro	47	ou	voltage		D10	1 Switch input	3.4.2	Tria
 Verify that the device is live before operation. All mechanical parts and covers should be restored in place before the 	Voltage	±0.2%	0.01V	Active energyr	0.2S	0.01KWh	2			17		P phone	32	DIZ	2 Switch input	A B C	i
device is energized.	Current	±0.2%	0.01A	Active energy	2%	0.1Kvarh	3	N/-	negative	18	Ub	voltage	33	D13	3		i i
 Device in use should provide the correct voltage. 	Active power	±0.5%	0.1W	Frequency	0.02%	0.01Hz	4	PE	Ground	19			34	D14	Switch input	c 🕇	
Not pay attention to these precautions may cause serious injury.	Power meter	±2.0% ±1.0%	0.001	Temperature		10			Communi			C-phase			Switch input	1	
1 Outline	3 Selectio	n and	Installa	ation			5	485G	screen	20	Uc	voltage	35	COM	common port Analog		<u> </u>
1. Exerction introduction	3.1 Selection cr	riteria	motune				6	485B	RS485	21					negative	а.	I
The KPM75 Power Quality Analyzer is designed using advanced	<u>КРМ 75 </u> –	- 🖵							negative			Mauteal			Analog	· II	
microproces-sors and digital signal processing technology. The							7	485A	positive	22	Un+	voltage	36	AO+	output	¥	
comprehensive three-phase power measurement, display, energy accumulation, power quality analysis, fault alarm, digital input			Rated pa	irameters			8	lc+	C phase current	23			37	DO11	Relay output	8	_
relay output and network communication are integrated. With			Default : I 1 : Rate cu	Rate current 5A , n Irrent 1A , measur	neasuring rai ing range 0~	nge 0~6A 1.2A	-		C phase			Temperat			Relay output		l l
strong anti-interference ability, it can still work stably in places with serious elect-romagnetic interference			Extentio	Function			9	Ic-	outlet	24	PTCA	positive	38	DO12	1 negative		i i
1.2 Application			K-4 way swi T-1 way tem A-1 path 4~	tch input R-4 perature input P-F 25mA output	l way relay out ProfiBus-DP co	put mmunication	10			25	РТСВ	Temperat ure input negative	39	DO21	Relay output 2 positive		
Measurement&Monitor energy parameter of distribution system. Collect energy consumption data that cost center analysis needs.			Product	series			11	lb+	B phase current	26	P+	Pulse output	40	DO22	Relay output		
Limit monitoring alarm(such as overvoltage, power consumption).			Compere	e Power Meter			40		into line B phase	07		Pulse	44	D024	Relay output		
Power quality analysis. Green building or DCS system data measurement	Example:KPN	//75T-1:R	ate curren	t 380V/1A.1	way temp	erature	12	ID-	outlet	27	P-	negative	41	D031	3 positive]	
1.3 Function Features	input,Power of	quality and	alysis met	er.			13			28	4850	Communic ation	42	D033	Relay output		
Measuring three-phase phase/line voltage,three phase current. positive/ neg	3.2 Shape a	and hole	le size			13			28	400G	screen	42	0032	3 negative	+		
-ative sequence voltage, positive/ negative sequence current, active/reactive power,active/reactive energy,power factor, frequency and other 30 kinds of basicoarameters.		96		<u>⊢</u>	88		14	la+	A phase current into line	29	485B	RS485 negative	43	DO41	Relay output 4 positive	a,	



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2 voltage transformer(PT), 3 current transform (CT)(device is set to 2LL3Ct)



Triangular system : 2 voltage transformer(PT), 2 current transformers(CT)(device is set to 2LL2Ct)



 $5.2\,$ In the "Meter" function display item, press \fbox or \blacktriangledown key to display the realtime measurement data in turn. When the measurement data (excluding energy data) is greater than 9999, the unit of the measured data is displayed before the "k", such as kW; When it is greater than 99999999, "M" is displayed, such as "MW".as the picture shows:



Meas -ative

power basicp Measure& show monthly average power factor, accurately grasp the use of

measured show monthly average power lactor, accurately grasp the use of monthly reactive power. 0.5S level two-way four-quadrant power statistics and multi-rates statistics

Demand statistic and record the Max.

Working time, load time statistics.

Fifty of voltage swells, dips and interruptions can be recorded Support up to 63 harmonic calculation, total harmonic distortion rate calculation, imbalance rate, the current K-factor calculation.

Calculation of short-term flicker and long-term flicker values of voltage and extremes of fluctuation

Standard 1 channel RS485 interface, Modbus protocol, Scalable Profibus-DP communication module

Expandable 4-way DI

Expandable 4 -way DO Expandable 1 -way 4-20mA analog output Expandable 1 -way passive optical coupler collector active pulse output

Expandable 1 -way PT100 temperature input.

256 points/cycle voltage,current sampling,high measurement accuracy. 160*160 lattice large LCD screen, Micro-backlit display, Large viewing angles and in bright light environment is still good visual effect.

2、Technical Parameters

2.1 Environmental conditions

Operating temperature: -25°C ~ +70°C Storage temperature: -30°C ~ +75°C Relative humidity: 5% ~ 95% No condensation Altitude :3000 meters below

4. Function Description

4.1 Power symbol

KPM75 provides bidirectional power calculation, power and power factor polarity indication as shown in the figure



4.2 Power measurement

The KPM75 Power Quality Analyzer uses an advanced microprocessor and digital signal processing technology. The comprehensive three-phase power measurement, display, energy accumulation, power quality analysis, fault alarm, digital input, relay output and network communica-tion are integrated. With strong anti-interference ability, it can still work stably in places with serious electromagnetic interference.

4.3 Demand

Power systems often charge fees based on the user's power level (in the form of active power). Demand is the average power relative N pulse data corresponds to the primary side power is: rtain time interval

4.5 Relay output

in the remote control or control alarm. Different control mode, the relay action mode is different.

Remote control: Relay through the communication with the command to control by

the PC or PLC. Limit alarm control

The relay is controlled by an electrical parameter inside the meter as a respon-se to a set point control alarm condition. The two relays action mode as follows

Remote control:

status will remain on still the PC or the PLC will issue a release surement data and the setting of parameters can be realized command, or the meter power loss. Limit alarm control:

When the alarm signal of the trigger relay is generated, relay action.Until the alarm condition of all trigger relays disappears or the meter is out of order, the relay is released. If the meter recovers the power and the alarm condition per-sists, the relay will act again.

4.6 Pulse

KPM75 provides active/reactive energy metering, 1 active energy pulse out-put function, and adopts optocoupler open collector output. The method of energy accuracy inspection refers to the national measurement.

Regulations: standard table of pulse error comparison methods. Electrical characteristics: Open collector voltage VCC ≤ 48V. current lz ≤ 50mA.

Pulse constant: 3200imp/kWh. Its significance is: when the meter accumulates 1kWh, the number of pulse outputs is 3200, and it is necessary to emphasize that the 1kWh is the secondary side consumption (in the form of active energy) and the peak power energy data of electric energy. In the case of PT and CT, the

N/3200 × voltage transformation ratio × Current ratio(kWh)

Bore hole drawing Hole Size: 91*91mm

itch cabinet groundin

current outlet

com-mon wiring mode is as follows:

Note: Terminals 5, 6, 7 is standard RS485;

la-

3.4 Typical wiring

Rs485

30 485A

en.

20

24

Four wire star system : Direct wiring that without voltage transformer (PT) (The device is set to 3Ln3Ct)

RS485 positive

KPM75 provides star system and triangular system wiring mode, the

3.4.1Star system wiring mode (Suitable for 400/690V and more high

44 D042 Relay output 4 negative

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Terminals 28, 29, 30 is spa

Instruction: P=(Px-12)×PE×CT×PT/8. Px is actual measured KPM75 provides two relay actions, the user to identify the relay is value of the analog, unit: mA, PE is corresponding rated power value, unit: W, the PE values corresponding to different voltage levels are different.

Details as follow:

220V/5A: Pe=3300W 220V/1A: Pe=660W 100V/5A: Pe=1500W 100V/1A: Pe=600W

 $\mathsf{PE}\texttt{=}\mathsf{Rated}\ \mathsf{voltage}\times\mathsf{Rated}\ \mathsf{current}\ \mathsf{when}\ \mathsf{transmitting}\ \mathsf{single-phase}$ Note:

power 5.Operating instructions

5.1 Operating display There are five touch keys on the front panel, from left to right the By accepting a PC or PLC command, relay closes. The relay five touch buttons are (AV) . The display of different mea-











The KPM75 uses a common slip demand algorithm to calculate the Application examples

demand.



Slip time: time interval for recursive measurement of maximum The transmission curve is as follows:

demand, which can be selected in 1.2.3.5.10.15.30min. Demand cycle: Setting range 1~15 slip times. Max Demand: Max Demand since Operation.

4.4 Switch input

KPM75 provide 4channel switch input, used to detect the circuit breaker position signal, switch position signal and other status information. DC24V power supply is provided inside the equipment, when the scene requires a binary input function, external access passive contact signal, when the exter-nal contact closed, the corresponding switch input state is also turned on.



The external pulse counting device assumes that the number of pulses collected during a period of length T is N, and the instrument input is: 10kV/100V, 400A/5A, then the meter energy accumulation during this period is:N/3200×100× 80kWh

4.7. Analog output

Analog output 4mA corresponds to the lower limit of the measuring range and 20mA corresponds to the upper limit of the measuring range. When the range is exceeded, the transmitting current increases linearly. The maximum effective output is 120% of the measuring range, the maximum output current is 24mA, and the maximum load resistance is 400 ohms.



Button name	Functional description
Left button	Switch the three functions display interface: "Meter", "PQM", "MAX&MIN", "History"; use "return" button in parameter setting state.
Up button Down button	In different function display interface, press the upor down button to cycle through all the parameters of the function item; press the up button in the parameter satting state to increase the value of the modified bit, and press the button to reduce the value of the modified bit.
Right button	In the "PQM" power quality display item, press this button to cycle through the demand, harmonics, voltage and current unbalance, etc.; in the parameter setting state, it is used to move the bit to be.
Enter button	Enter programming state; used to enter menu, programming parameters and confirmation in parameter setting state.

Press < key, it will cycle as shown below:

PhsU(V): I(A Ua 220.0 Ia Ub 220.0 Ib UC 220.0 Ic AVG 220.0 Ic Ia LineU(V): F(H) Uab 380.0 Ubc 380.0 Ubc 380.0 Ubc 380.0	16: 6-2 17:58:6 5:000 5:000 5:000 0:000 12): 50:00	<pqm< th=""> U-deviation: Ua:0.000V-d:-100.0% Ub:0.000V-d:-100.0% Uc:0.000V-d:-100.0% F-deviation: F:0.000Hz-d:-50Hz</pqm<>	16- 17:5
	ENTER		ENTER

3:Export and import active/reactive energy statistics display, POS: Forward, REV: Reverse, NET: Net, TOT: When the combined value is greater than 9999999.9, the display is no longer refreshed. Multi-rate energy value display: JEP (Q) T: total tip is (no) power, FEP (Q) T: total peak has (no) power, EP (Q) T: total level (no) Power energy, GEP(Q)T: tal (un)power energy <Meter 16- 6-27 17:58:49 <Meter 16- 6-27 17:58:49 Multi_rate: JEPT:00000000.0kWh JEQT:00000000.0kvarh FEPT:00000000.0kvarh PEPT:00000000.0kvarh PEPT:00000000.0kvarh GEPT:00000000.0kvarh EP Meterage: POS:0000000.0kWh REV:0000000.0kWh NET:0000000.0kWh TOT:0000000.0kWh EQ Meterage: POS:00000000.0kvarh REV:000000000.0kvarh NET:000000000.0kvarh TOT:000000000.0kvarh GEQT:00000000.0kvarh ENTER 5: Meter running time and load time statist 16- 6-27 17:58:49 <Meter 00000Day08Hour<u>23</u>Min Loadtime: <u>00000</u>Day<u>05</u>Hour<u>20</u>Min



5.4 On the most value query display interface of "MAX&MIN", press the \checkmark to scroll down or use the \blacktriangle to scroll through the screen as shown in the following figure. Each page shows the maximum and minimum values of the measured data at the same time. As shown below:

6.1.2 Relay control (function code 05H)

Note that the control relay is separated in the state of 0x0000,

	0xFF0	xFFUU is closed.Request data frame:										
	Ad dr	Fun	DO addr hi	DO addr lo	Value hi	Value Io	CRC1 6 hi	CRC1 6 lo				
	01 H	05 H	xx	xx	AAH	55H	ххH	ххH				
1	Respo	nse da	ata frame	:								
	Ad	Fu	DO addr bi	DO addr.lo	Value	Value	CRC1	CRC1				
	01	05	auurm	adul io		554		010 VVH				
	н	н	~~	~~	ААП	556	771	221				

6.2 Read switch input status (function code 02H)

of ON/OFF(1=ON,0=OFF) of the switch input DI.In addition to th slave address and the function field, the data frame needs included the initial address and the number of Dis to be read the data field. The address of DI in KPM75 starts at 0000 (DI1=0000H,DI2=0001H \ldots and so on).The switch inp terminals DI1 to DI4 correspond to Bit0 to Bit3.

The following example shows the state of the DI1 to DI2 read from the slave address 01

Ad	Ad Fu	DI	DI	DI num	DI	CRC1	CRC1
dr	dr n	start	start	hi	num lo	6 hi	6 lo
01 H	02 H	00H	00H	00H	04H	xx	xx

Response Data Frames: The response contains the slave address function code, number of data, packet and CRC check, each bit the packet occupies one bit (1 = ON, 0 = OFF), the least signification bit of the first byte is the addressed DI1 value. The rest a arranged in order of high, and the unused bits are filled with 0.

The following table shows an example of a read switch status (D =ON,DI2 =ON) response.

Addr	Fun	Byte o	count	Data	CRC16 h	i CF	RC16 lo				
01H	02H	01	н	03H	E1H		89H				
The mea	The meaning of each bit in Data										
Bit 7	Bit 7 Bit 6 Bit 5 Bit 4 Bit 3 Bit 2 Bit 1 Bit 0										
0	0	0	0	0	0	1	1				

PT:00000000.0kWh QT:00000000.0kvarh EP:000000000.0kWh EQ:00000000.0kvarh EQ:0000000.0kvarh EP:00000000.0kWh EQ:00000000.0kvar PEP:00000000.0kWh EP:00000000.0kWh EO:00000000.0kvarh

16- 6-27

Active Energy, GEQ-Valley Energy.

Multi-rate energy statistics for this month

<History

PEQ:00000000.0kvarl GEP:000000000.0kWh 0000.0kva

PEP - level active energy, PEQ - none Power Energy, GEP-Valley

6.4 Basic Measurement Parameters Area

The basic measurement area mainly measures basic voltage. current, power, power factor, etc. analysis of sequence quantity and imbalance, voltage and current imbalance in the power grid is an important parameter to measure power quality.Demand is 7. Common malfunction Analysis calculated using the slip algorithm, which is to set a window time, > Nothing is displayed after the unit is powered on which is the calculation period of the demand. The window slides once every minute, and the demand value is updated once.

All parameters in this area are real-time measurement parameters, which are read using the Modbus protocol 03H function code and are read-only. The data format is floating-point > The device is not working properly after power on Query data frame: This function allows the user to obtain the status data. The data in this area has been multiplied by the ratio, which

Address	Parameter	Data type	Unit
0030H	Phase voltage Ua	Floating point	V
0032H	Phase voltage Ub	Floating	V
0034H	Phase voltage Uc	Floating	V
0036H	Line voltage Uab	Floating	V
0038H	Line voltage Ubc	Floating	V
003AH	Line voltage Uca	Floating	V
003CH	Phase current la	Floating	А
003EH	Phase current lb	Floating	А
0040H	Phase current Ic	Floating	А
0042H	Split-phase active power Pa	Floating	W
0044H	Split-phase active power Pb	Floating	W
0046H	Split-phase active power Pc	Floating	W
0048H	System active power Psum	Floating	W
004AH	Split-phase reactive power Qa	Floating	var
004CH	Split-phase reactive power Qb	Floating	var
004EH	Split-phase reactive power Qc	Floating	var
0050H	System reactive power Qsum	Floating	var
0052H	Split-phase apparent power Sa	Floating	VA
0054H	Split-phase apparent power Sb	Floating	VA
0056H	Split-phase apparent power Sc	Floating	VA
0058H	System apparent power Ssum	Floatingpoi	VA
005AH	Split-phase power factor PE1	nt Floating	
005CH	Split-phase power factor PF2	Floating	
005EH	Split-phase power factor PF3	point Floating	
0060H	System power factor PF	point Floating	
0062H	System frequency F	point Floating	HZ
0064H	Positive sequence voltage 11	point Floating	V
0066H	Negative sequence voltage U2	Floating	v
0068H	Positive sequence current value	point Floating	Δ
0064H	I1 Negative sequence current value	point Floating	Δ
006CH	I2 Voltage unbalance Vv	point Floating	%
006EH	Current imbalance Yi	point Floating	%
0070H	Active demand	point Floating	W
00724	Reactive demand	point Floating	Var
00721		point Floating	
00760		point Floating	vA °C
0070H	Three-phase average phase	point Floating	.ر ۷
00761	voltage	point Floating	V
007EU	Three-phase average line voltage	point Floating	V
UU/EH	Zero-sequence voltage value U0	point Floating	V
0080H	∠ero-sequence current value I0	point	A

6.5 Other parameters

For reading of other parameters, please refer to < KPM75 power quality analysis instrument MODBUS-RTU communication protocol_V1.0>

 Check that the supply voltage and other wiring are correct and that the supply voltage should be within the operating range

• Turn off the device and the host computer, and then reboot

• Turn off the device and the host computer, and then reboot Voltage or current readings incorrect

Check if the wiring mode setting matches the actual wiring ode

- Check whether the voltage transformer (PT), current
- ansformer (CT)ratio is set correctly

Check that GND is properly grounded

Check that the shield is grounded

Check the voltage transformer(PT) current transformer(CT) is tact

The power or power factor reading is incorrect, but the oltage and current readings are correct

Comparison of the actual input voltage and current wiring and ring diagram, to check whether the correct phase relationship

RS-485 communication is not normal

Check whether the communication baud rate, ID and

mmunication protocol settings of the host computer are insistent with the meter

Please check the data bits, stop bits, parity settings and the st computer is consistent

Check that the RS-232/RS-485 converter is working properly

Check whether the problem entire communications network

parameter	character	Defaults	meaning				
Protect password	Password	6666	Used to protect non-staff personnel to modify instrument parameters				
Wiring	Wiring	3Ln3CT	Three-phase four-wire system, 2LL2CT and 2LL3CT are three-phase three-wire system				
Rated voltage	Un	220	Can be set to 100, 220, 400				
Rated current	In	5	Can be set to 1, 5, 10				
Voltage transformation ratio	PT	1	Voltage transformer ratio (1~9999)				
Current ratio	СТ	1	Current transformer ratio (1~9999)				
mailing address	Adr	1	Instrument address for network communication (1~247)				
Baud rate	Baud_Rate	9600	Communication baud rate 1200~38400bps				
Data Format	Parity	8_1_n	Data frame format: 8 data bits, 1 effect bit, 1 stop bit				
Backlight lighting time	BL_DLY	001	Unit: minutes; if set to 0, the backlight will never go out; when setting other values, the duration without keys				
Demand slip time	DM_Time	05	1~99, unit: minute				
Transfer project	AO_Opt	Ua	Three-phase four-wire variable delivery items: Ua Ub Uc Ia Ib Ic Uab Ubc Uca Pa Pb Pc Pt Qa,Qb,Qc,Qt,Sa,Sb,Sc,St,PFa,Pfb,PFc,PF,F Three-phase three-line variable delivery items: Ia, Ib, Ic, Uab, Ubc, Uca, P, Q, S, PF, F				
Power clear	EnergyClr	No	Used to clear meter energy values				
The value is cleared	MaximunClr	No	Used to clear the current maximum and minimum				
Power quality	POMSOECIr	No	Used to clear sudden surges, dips, interruptions and other				

KPM75 power quality analyzer power meter provides MODBUS-RTU communication protocol, a start, 8-bit data bits, 1/0 parity bit,

Supported baud rates: 1200, 2400, 4800, 9600, 19200, 34800bps. Factory default communication parameters: 9600, no parity, 1 stop

1 start bit + 8 data bits + 1 parity bit + 1 stop bit

Address field + Command field + Data field + CRC check area

	Supported function codes								
DEC	HEX	definition	Operation description						
01	0x01	Read relay output	Read one or more relay outputs						
02	0x02	Read switch input	Read one or more switch input						
03	0x03	Read register data	Read the value of one or more registers						
05	0x05	Write a single relay output	Control all the way to close or disconnect the relay						
16	0x10	Write multiple registers	Write multiple register data at a time						

6.1 Relay output control and status read

This area stores the relay status. The user can read the current status using the Modbus protocol 01H function code and use the function code 05H to control the output

address parameter		Range of values	type of data	Read and write attributes
0000H	Relay1 (DO1)	1=0N,0=0FF	Bit	R/W
0001H	Relay2 (DO2)	1=0N,0=0FF	Bit	R/W
0002H	Relay3 (DO3)	1=0N,0=0FF	Bit	R/W
0003H	Relay4 (DO4)	1=0N,0=0FF	Bit	R/W

6.1.1 Read relay output status (function code 01H)

Reques	Request data frame: Read the status of Relay1.									
Addr	Fun	Start Reg hi	Start Reg lo	Reg Num hi	Reg Num Io	CRC16 lo				
01H	01H	00H	00H	00H	02H	xxH	xxH			
Response Data Frame: The slave responds to the host's data frame.										
Contain	is slave	e addres	s,functio	on code	,number	of data	byte,rela			
status d	lata,and	d CRC c	heck.Ea	ch relay	in the da	ta packe	t occupie:			
one bit	one bit (1=ON,0=OFF). The first bit of the first byte is the lowest									
byte of the first byte. Address the relay state value, the rest of the										
order to	the hig	h order, i	useless l	bits filled	with 0.					

Read the contents of the digital output status response example.										
Addr	Fu	ın	Byte count		Data	CRC1	6 hi	CRC16 lo		
01H		т		01H	03H	111	+	89H		
Data by	te conte	ent (R	lelay	/1&Relay	is close	d)				
Bit7	Bit7 Bit 6 B		5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0		
0	0	C)	0	0	0	1	1		

2: Multi-rate energy statistics last month <History 16- 6-27 17:58:49 ast Mon: PT:00000000.0kWh

EQ:00000000.0kVar PEP:000000000.0kWh PEQ:00000000.0kvarl GEP:00000000.0kWh GEQ:00000000.0kvarl

POMSOEclr: Password :6666 . PUMG750 V1.3 Build20160626

DM_Time :05 AO_Opt :Ua EnergyClr :No MaximunClr:No POMSOFclr:No



639	Svetom	narameters	road	and	write
0.3 4	System	parameters	reau	anu	write

This area stores system parameters related to equipment wo including parameters such as communication, connection mod voltage transformation ratio and current transformation rat which can be read using the Modbus protocol 03H function code using the 10H function code setting.

Address	Parameters	Range of values	Type	
0000H	Password	0 ~ 9999	Word	005CH
0001H	Modbus Address	Modbus MailingAddress:1 ~ 247	Word	005EH
0002H	Baud Rate and	Baudrate (Bit0~7) :0 :1:24002:4800 3 :9600 4:19200 5:38400,	Word	0060H
	check mode	0 : 8,1,n 1:8,1,e 2:8,1,o		0062H
0003H	Voltage to variable ratio	1 ~ 9999	Word	0064H
0004H	Current to variable ratio	1 ~ 9999	Word	0066H
0005H	Wiring method	0 ~ 2 0 :3LN 3CT Three-phase four-wire	Word	0068H
	wining method	1 :2LL 2CT three-phase 2CT 2 :2LL 3CT three-phase 3CT		006AH
		0 ~ - (three-phase four-wire) in turn, three-phase voltage, three-phase		006CH
		current, three-phase line voltage, active power, reactive power, apparent power, power factor, frequency. 0 ~ Ten (three-phase third-line) in turn, three-phase wire pressure, three-phase current total active power, total reactive energy, total appagent power power factor	Word	006EH
0006H	Transmitter			0070H
000011	settings			0072H
				0074H
		frequency.		0076H
0007H	Backlight lit time	0 ~ - (min)0: never extinguished;	Word	0078H
0008H	Keep			001011
0009H	Maximum minimum value	0 : Never clear 1: Day cleared,2: Month cleared	Word	007AH
	Clear method	Command word 0xoo79, cloore the		007EH
000BH	Clear Maximum small value	maximum minimum value immediately	Word	0080H
000CH	Clear All power	Command word 0x5578, Clean power immediately	Word	
000DH	Device fault Indication	0: no fault 1: Faulty Bit0: Clock Failure Bit1: ferroelectric data Failure	Word	

es (shortcircuit, open circuit, grounding, shielding in a singl operly grounded, etc.)

Furn off the device and the host computer, and then reboot The communication line length is recommended to connect proximately 100 to 200 ohm matching resistors at the end of e communication line

te: If there are some unsolved problems, please contact our npany's after-sales service department

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