

KinCony 3 phase meter RS485 modbus protocol

Communication parameters:

Modbus-RTU:

Baud rate: 9600bps

Data bits: 8

Stop bits: 1

Parity: EVEN

Modbus read function: 03

Register address (DEC)	data	IEEE-754	function
0000、0001	Total power consumption (kWh)	Float	Read
0010、0011	Total reverse power consumption (kWh)	Float	Read
0020、0021	Total reactive power (kvarh)	Float	Read
0100、0101	Phase-A voltage (V)	Float	Read
0102、0103	Phase-B voltage (V)	Float	Read
0104、0105	Phase-C voltage (V)	Float	Read
0106、0107	Phase-A current (A)	Float	Read
0108、0109	Phase-B current (A)	Float	Read
0110、0111	Phase-C current (A)	Float	Read
0112、0113	Phase-A active power (kW)	Float	Read
0114、0115	Phase-B active power (kW)	Float	Read
0116、0117	Phase-C active power (kW)	Float	Read

0118、0119	Total active power (kW)	Float	Read
0120、0121	Phase-A reactive power (kvar)	Float	Read
0122、0123	Phase-B reactive power (kvar)	Float	Read
0124、0125	Phase-C reactive power (kvar)	Float	Read
0126、0127	Total reactive power (kvar)	Float	Read
0128、0129	Phase-A apparent power (kVA)	Float	Read
0130、0131	Phase-B apparent power (kVA)	Float	Read
0132、0133	Phase-C apparent power (kVA)	Float	Read
0134、0135	Total apparent power (kVA)	Float	Read
0136、0137	Phase-A power factor	Float	Read
0138、0139	Phase-B power factor	Float	Read
0140、0141	Phase-C power factor	Float	Read
0142、0143	Total power factor	Float	Read
0144、0145	Frequency (Hz)	Float	Read

How to change meter ID.

for example: change ID:01 to 20 just send command:

01 10 0D B0 00 01 02 00 14 60 AF

first (01) current ID

(14)hex is (20) decimal

60 AF (CRC)

ID:1 meter modify "parity" to

01 10 0D B7 00 01 02 [00 00] (61 17) None
01 10 0D B7 00 01 02 [00 01] (A0 D7) ODD
01 10 0D B7 00 01 02 [00 02] (E0 D6) EVEN

() is CRC code [] is different setting

ID:1 meter modify "Baud rate" to

01 10 0D B6 00 01 02 [12 C0] (6C 36) 4800bps
01 10 0D B6 00 01 02 [09 60] (66 B3) 2400bps
01 10 0D B6 00 01 02 [04 B0] (63 B2) 1200bps
01 10 0D B6 00 01 02 [25 80] (7B F6) 9600bps

() is CRC code [] is different setting