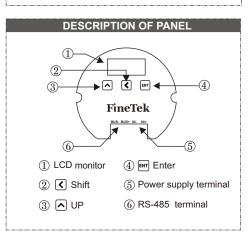


NOTE PROCEDURES OF CALIBRATION FOR THE FIRST INSTALLATION

For installation of EST120, it requests to do the calibration in any two level points for getting a correct measuring result of material level height.

Strongly recommend to record the capacitance value for empty in silo after mounting EST120, and then record and set when the silo is full with materials, so that enable to have a correct result of measurement.

DIMENSION OF PRODUCT 147.3 ינגנבור ברבועה י (unit:mm)



CODE						
A:R	В:ъ	C:E	D: d	E:ε	F:F	
G:9	H:8	1: (J: J	K:۲	L: L	
M: E.	N: o	O:o	P:۶	Q:٩	R:r	
S:5	T:E	U:U	V:U.	W:3.	X:ૠ	
Y: 9	Z:2.					

Default

Description

Range

Item Sub-

10111	Item	90	Delaale	2000p
SCRL	ዘ፡ይዩ	-1999~9999	100.0	High Point Value (Note1)
	լօթե	-1999~9999	0.0	Low Point Value
ներև	۶،٤٤	LO,MID,HI	LO	Software filter
5,85,	CRP	0~9999		Current Level
	H.C	0~9999	4000	High Calibration Point
	LoC	0~9999	0.0	Low Calibration Point
	r 5.E n			Refresh temperature calibration (Note2)
	r 5.8 t			Reset to Factory Default
006.6.	Rddr	1~255	1	Device Address
	-858	9.6,19.2,38.4 57.6,115.2	9.6	Communication Rate
F 10 I		-99.9~999.9	(Note2)	Temp. of 01 th point
F 70S		-99.9~999.9		Temp. of 02 th point
7.03		-99.9~999.9		Temp. of 03 th point
٤.04		-99.9~999.9		Temp. of 04th point
8 ـ 05		-99.9~999.9		Temp. of 05 ^h point
05ء ع		-99.9~999.9		Temp. of 06 th point
F _0J		-99.9~999.9		Temp. of 07 th point
7-08		-99.9~999.9		Temp. of 08th point
2 _09		-99.9~999.9		Temp. of 09th point
٤.10		-99.9~999.9		Temp. of 10 th point
6_11		-99.9~999.9		Temp. of 11 th point
6113		-99.9~999.9		Temp. of 12 th point
٤.13		-99.9~999.9		Temp. of 13 th point
٤_14		-99.9~999.9		Temp. of 14 th point
E_15		-99.9~999.9		Temp. of 15th point
٤.16		-99.9~999.9		Temp. of 16 th point
٤١١٦		-99.9~999.9		Temp. of 17 th point
8. ٤		-99.9~999.9		Temp. of 18 th point
٤.19		-99.9~999.9		Temp. of 19 th point
5130		-99.9~999.9		Temp. of 20 th point
ا2. ٤		-99.9~999.9		Temp. of 21 th point
F _55		-99.9~999.9		Temp. of 22 th point
£ _23		-99.9~999.9		Temp. of 23th point
F 153		-99.9~999.9		Temp. of 24th point
٤.25		-99.9~999.9		Temp. of 25 th point
5-58		-99.9~999.9		Temp. of 26 th point
٤-2٦		-99.9~999.9		Temp. of 27th point
5 - 58		-99.9~999.9		Temp. of 28 ^h point
5-53		-99.9~999.9		Temp. of 29 th point
F 130		-99.9~999.9		Temp. of 30 th point
				The state of the s

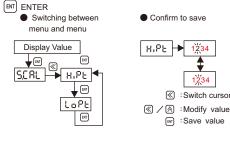
Note 1: Please refer to calibration process when setting Hi point and Lo point

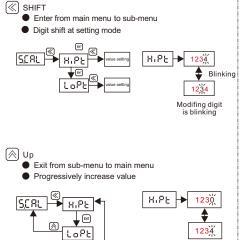
Note 2: When the display of temperature is abnormal, please refresh the temperature calibration.

BUTTON INSTRUCTION

There are three input button, UP, SHIFT, and ENTER, on control panel. First, select item, and then set the value. Functions of these three buttons are described as below.

	At Menu	At Setting	
∭Up	Exit	Adding	
⊗ SHIFT	Enter	Shift	
ENT ENTER	Shift	Confirm	





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ENT



CALIBRATION WORKING FLOW

Standard Calibration Procedure: 1. Vessel Full: Set and save HIPT

2. Vessel Empty: Set and save LOPT

- 2. Let material level slightly contact sen-sor cable when
- During calibration, sensor cable must be inside the vessel
 Separate HIPT, LOPT as far as possible (Minimum 50%).
 It would be the best to calibrate from empty to full.

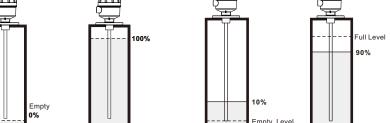
Example 1

Display 0 at empty, 100 at full. Calibrate with empty and full vessel

Procedure

When vessel is empty, key in 0.0 in LOPT. And then press "ENT" to save the value.(Note 1) When vessel is full, key in 100.0 in HIPT. And then press "ENT" to save the value.(Note 1)

When vessel is 10% full, key in 10.0 in LOPT. And then press "ENT" to save the value. When vessel is 90% full, key in 90.0 in HIPT. And then press "ENT" to save the value.



Note 1: At HIPT and LOPT setting, after press "ENT" button, it will show a switching screen

 $\begin{tabular}{ll} \hline $\tt SMUE$ press "ENT" again to save the value or press "UP" to cancel the setting. Note2: HiC <math>\tt LoC$ instructions and the use timing

HiC . LoC Instructions:

When HIPT or LOPT is calibrated, the system automatically writes the current corresponding measurement values (CAP) into HiC or LoC.

Example 1: when the lowest point indicates 0% while the corresponding CAP value shows 100pF; the highest point indicates 100% while the corresponding shows 1500pF, when HIPT and LOPT calibration finished, the lowest point measurement value 100pF is written to LoC and the highest point measurement value 1500pF is written to HiC.

Example 2: when the lowest point indicates 10% while the corresponding CAP value shows 200pF; the highest point indicates 90% while the corresponding shows 1400pF, when HIPT and LOPT calibration

finished, the system will write the lowest point display value 200pF is written to LoC and the highest point display value 1400pF is written to HiC, When HIPT or LOPT is calibrated, the system will automatically write the corresponding CAP values to HiC and Loc while modifying HiC and LoC will not affect HIPT/LOPT calibration values. For example, after the calibration completion of the example 1, the LoC is modified to 50pF, the corresponding LOPT is still 0%; the HiC is modified to 1600pF and the corresponding HIPT is still 100% HiC LoC use timing:

Timing 1: When the usage environment (test medium, tank structure, probe length, installation position etc.) are the same,
The four parameters of HIPT, LOPT, HiC, and LoC can be copied and set to another device sequentially to save calibration steps.
Timing 2: The transmitter maintenance or replacement by new circuit board can follow the original parameter settings.

*Because the change of HiC and LoC will affect the original calibration values of HiC and LoC, the measurement results will be changed. If not necessary, please do NOT change the HiC and LoC values Arbitrarily.

MODBUS ADDRESS TABLE

HEX DEC The Strike Current level value	Parameter	ADDRESS		TYPE	LIMITS	PROPERTY	DESCRIPTION
PFC_DISPLAY_PERCENTAGE 0x1024 4132 FLOAT32 % R Capicitance PFC_BOARD_TEMPERATURE 0x1026 4134 FLOAT32 °C R Temp. of PCB PFC_TEMPERATURE_VALUE-1 0x1028 4136 FLOAT32 °C R 1st point's temperature PFC_TEMPERATURE_VALUE-2 0x102a 4138 FLOAT32 °C R 2nd point's temperature PFC_TEMPERATURE_VALUE-3 0x102a 4140 FLOAT32 °C R 3rd point's temperature PFC_TEMPERATURE_VALUE-5 0x1030 4144 FLOAT32 °C R 5th point's temperature PFC_TEMPERATURE_VALUE-5 0x1032 4146 FLOAT32 °C R 5th point's temperature PFC_TEMPERATURE_VALUE-6 0x1032 4146 FLOAT32 °C R 5th point's temperature PFC_TEMPERATURE_VALUE-7 0x1034 4150 FLOAT32 °C R 7th point's temperature PFC_TEMPERATURE_VALUE-9 0x1038 4150 FLOAT32 °C R <td< td=""><td>r ai airietei</td><td>HEX</td><td>DEC</td><td colspan="2">EC TIFE</td></td<>	r ai airietei	HEX	DEC	EC TIFE			
PFC_BOARD_TEMPERATURE 0x1026 4134 FLOAT32 **C R Temp. of PCB PFC_TEMPERATURE_VALUE-1 0x1028 4136 FLOAT32 **C R 1st point's temperature PFC_TEMPERATURE_VALUE-3 0x1020 4138 FLOAT32 **C R 2nd point's temperature PFC_TEMPERATURE_VALUE-3 0x1020 4140 FLOAT32 **C R 3rd point's temperature PFC_TEMPERATURE_VALUE-5 0x1030 4144 FLOAT32 **C R 4th point's temperature PFC_TEMPERATURE_VALUE-5 0x1030 4144 FLOAT32 **C R 6th point's temperature PFC_TEMPERATURE_VALUE-6 0x1034 4148 FLOAT32 **C R 6th point's temperature PFC_TEMPERATURE_VALUE-8 0x1034 4150 FLOAT32 **C R 8th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4152 FLOAT32 **C R 9th point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4158 FLOAT32 **C	PFC_CAP_VALUE	0x1022	4130	FLOAT32	PF	R	Current level value
PFC_TEMPERATURE_VALUE-1 0x1028 4136 FLOAT32 **C R 1st point's temperature PFC_TEMPERATURE_VALUE-2 0x102a 4138 FLOAT32 **C R 2nd point's temperature PFC_TEMPERATURE_VALUE-4 0x102e 4140 FLOAT32 **C R 3rd point's temperature PFC_TEMPERATURE_VALUE-4 0x102e 4142 FLOAT32 **C R 4th point's temperature PFC_TEMPERATURE_VALUE-6 0x1030 4144 FLOAT32 **C R 5th point's temperature PFC_TEMPERATURE_VALUE-6 0x1032 4146 FLOAT32 **C R 5th point's temperature PFC_TEMPERATURE_VALUE-8 0x1036 4150 FLOAT32 **C R 7th point's temperature PFC_TEMPERATURE_VALUE-9 0x1038 4152 FLOAT32 **C R 9th point's temperature PFC_TEMPERATURE_VALUE-10 0x1034 4156 FLOAT32 **C R 10st point's temperature PFC_TEMPERATURE_VALUE-10 0x1035 4158 FLOAT32 <td< td=""><td>PFC_DISPLAY_PERCENTAGE</td><td>0x1024</td><td>4132</td><td>FLOAT32</td><td>%</td><td>R</td><td>Capicitance</td></td<>	PFC_DISPLAY_PERCENTAGE	0x1024	4132	FLOAT32	%	R	Capicitance
PFC_TEMPERATURE_VALUE-2 0x102a 413B FLOAT32 °C R 2nd point's temperature PFC_TEMPERATURE_VALUE-3 0x102c 4140 FLOAT32 °C R 3rd point's temperature PFC_TEMPERATURE_VALUE-4 0x102c 4142 FLOAT32 °C R 4th point's temperature PFC_TEMPERATURE_VALUE-5 0x103a 4144 FLOAT32 °C R 4th point's temperature PFC_TEMPERATURE_VALUE-6 0x103a 4144 FLOAT32 °C R 6th point's temperature PFC_TEMPERATURE_VALUE-7 0x1034 4148 FLOAT32 °C R 8th point's temperature PFC_TEMPERATURE_VALUE-8 0x1038 4152 FLOAT32 °C R 8th point's temperature PFC_TEMPERATURE_VALUE-10 0x103a 4154 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-11 0x103c 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x103e 4156 FLOAT32 °C <td>PFC_BOARD_TEMPERATURE</td> <td>0x1026</td> <td>4134</td> <td>FLOAT32</td> <td>°C</td> <td>R</td> <td>Temp. of PCB</td>	PFC_BOARD_TEMPERATURE	0x1026	4134	FLOAT32	°C	R	Temp. of PCB
PFC_TEMPERATURE_VALUE-3 0x102c 4140 FLOAT32 °C R 3rd point's temperature PFC_TEMPERATURE_VALUE-4 0x102e 4142 FLOAT32 °C R 4th point's temperature PFC_TEMPERATURE_VALUE-5 0x1030 4144 FLOAT32 °C R 5th point's temperature PFC_TEMPERATURE_VALUE-6 0x1032 4146 FLOAT32 °C R 6th point's temperature PFC_TEMPERATURE_VALUE-7 0x1034 4148 FLOAT32 °C R 6th point's temperature PFC_TEMPERATURE_VALUE-8 0x1036 4150 FLOAT32 °C R 8th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4154 FLOAT32 °C R 10st point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x103E 4158 FLOAT32 °C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C </td <td>PFC_TEMPERATURE_VALUE-1</td> <td>0x1028</td> <td>4136</td> <td>FLOAT32</td> <td>°C</td> <td>R</td> <td>1st point's temperature</td>	PFC_TEMPERATURE_VALUE-1	0x1028	4136	FLOAT32	°C	R	1st point's temperature
PFC_TEMPERATURE_VALUE-4 0x102e 4142 FLOAT32 *C R 4th point's temperature PFC_TEMPERATURE_VALUE-5 0x1030 4144 FLOAT32 *C R 5th point's temperature PFC_TEMPERATURE_VALUE-6 0x1032 4146 FLOAT32 *C R 6th point's temperature PFC_TEMPERATURE_VALUE-7 0x1034 4148 FLOAT32 *C R 6th point's temperature PFC_TEMPERATURE_VALUE-8 0x1036 4150 FLOAT32 *C R 9th point's temperature PFC_TEMPERATURE_VALUE-9 0x1038 4152 FLOAT32 *C R 9th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4156 FLOAT32 *C R 10st point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 *C R 11st point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 *C R 13rd point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4166 FLOAT32 *C </td <td>PFC_TEMPERATURE_VALUE-2</td> <td>0x102a</td> <td>4138</td> <td>FLOAT32</td> <td>°C</td> <td>R</td> <td>2nd point's temperature</td>	PFC_TEMPERATURE_VALUE-2	0x102a	4138	FLOAT32	°C	R	2nd point's temperature
PFC_TEMPERATURE_VALUE-5 0x1030 4144 FLOAT32 *C R 5th point's temperature PFC_TEMPERATURE_VALUE-6 0x1032 4148 FLOAT32 *C R 6th point's temperature PFC_TEMPERATURE_VALUE-7 0x1036 4150 FLOAT32 *C R 7th point's temperature PFC_TEMPERATURE_VALUE-9 0x1036 4150 FLOAT32 *C R 8th point's temperature PFC_TEMPERATURE_VALUE-10 0x1038 4152 FLOAT32 *C R 9th point's temperature PFC_TEMPERATURE_VALUE-11 0x1034 4156 FLOAT32 *C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x1032 4156 FLOAT32 *C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 *C R 12nd point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4162 FLOAT32 *C R 15th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4166 FLOAT32 *C	PFC_TEMPERATURE_VALUE-3	0x102c	4140	FLOAT32	°C	R	3rd point's temperature
PFC_TEMPERATURE_VALUE-6 0x1032 4146 FLOAT32 °C R 6th point's temperature PFC_TEMPERATURE_VALUE-7 0x1034 4148 FLOAT32 °C R 7th point's temperature PFC_TEMPERATURE_VALUE-8 0x1038 4150 FLOAT32 °C R 8th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4154 FLOAT32 °C R 9th point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-15 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32	PFC_TEMPERATURE_VALUE-4	0x102e	4142	FLOAT32	°C	R	4th point's temperature
PFC_TEMPERATURE_VALUE-8 0x1034 4148 FLOAT32 °C R 7th point's temperature PFC_TEMPERATURE_VALUE-9 0x1036 4150 FLOAT32 °C R 8th point's temperature PFC_TEMPERATURE_VALUE-9 0x1038 4152 FLOAT32 °C R 9th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4156 FLOAT32 °C R 10st point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1048 4168 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-19 0x1040 4170 FLOAT32 <td< td=""><td>PFC_TEMPERATURE_VALUE-5</td><td>0x1030</td><td>4144</td><td>FLOAT32</td><td>°C</td><td>R</td><td>5th point's temperature</td></td<>	PFC_TEMPERATURE_VALUE-5	0x1030	4144	FLOAT32	°C	R	5th point's temperature
PFC_TEMPERATURE_VALUE-8 0x1036 4150 FLOAT32 °C R 8th point's temperature PFC_TEMPERATURE_VALUE-90 0x1038 4152 FLOAT32 °C R 9th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4154 FLOAT32 °C R 10st point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x103C 4156 FLOAT32 °C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32	PFC_TEMPERATURE_VALUE-6	0x1032	4146	FLOAT32	°C	R	6th point's temperature
PFC_TEMPERATURE_VALUE-9 0x1038 4152 FLOAT32 °C R 9th point's temperature PFC_TEMPERATURE_VALUE-10 0x103A 4154 FLOAT32 °C R 10st point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x103E 4158 FLOAT32 °C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4166 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-18 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-18 0x1040 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32	PFC_TEMPERATURE_VALUE-7	0x1034	4148	FLOAT32	°C	R	7th point's temperature
PFC_TEMPERATURE_VALUE-10 0x103A 4154 FLOAT32 °C R 10st point's temperature PFC_TEMPERATURE_VALUE-11 0x103C 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x103E 4158 FLOAT32 °C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-18 0x1044 4170 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x1046 4174 FLOAT32	PFC_TEMPERATURE_VALUE-8	0x1036	4150	FLOAT32	°C	R	8th point's temperature
PFG_TEMPERATURE_VALUE-11 0x1030 4156 FLOAT32 °C R 11st point's temperature PFC_TEMPERATURE_VALUE-12 0x103E 4158 FLOAT32 °C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-18 0x1044 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32	PFC_TEMPERATURE_VALUE-9	0x1038	4152	FLOAT32	°C	R	9th point's temperature
PFC_TEMPERATURE_VALUE-12 0x103E 4158 FLOAT32 °C R 12nd point's temperature PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 17th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-21 0x1052 4178 FLOAT32	PFC_TEMPERATURE_VALUE-10	0x103A	4154	FLOAT32	°C	R	10st point's temperature
PFC_TEMPERATURE_VALUE-13 0x1040 4160 FLOAT32 °C R 13rd point's temperature PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 17th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1052 4178 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32	PFC_TEMPERATURE_VALUE-11	0x103C	4156	FLOAT32	°C	R	11st point's temperature
PFC_TEMPERATURE_VALUE-14 0x1042 4162 FLOAT32 °C R 14th point's temperature PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 17th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1056 4182 FLOAT32	PFC_TEMPERATURE_VALUE-12	0x103E	4158	FLOAT32	°C	R	12nd point's temperature
PFC_TEMPERATURE_VALUE-15 0x1044 4164 FLOAT32 °C R 15th point's temperature PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 17th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-24 0x1058 4182 FLOAT32	PFC_TEMPERATURE_VALUE-13	0x1040	4160	FLOAT32	°C	R	13rd point's temperature
PFC_TEMPERATURE_VALUE-16 0x1046 4166 FLOAT32 °C R 16th point's temperature PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 17th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4186 FLOAT32	PFC_TEMPERATURE_VALUE-14	0x1042	4162	FLOAT32	°C	R	14th point's temperature
PFC_TEMPERATURE_VALUE-17 0x1048 4168 FLOAT32 °C R 17th point's temperature PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-21 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-22 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-23 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4188 FLOAT32	PFC_TEMPERATURE_VALUE-15	0x1044	4164	FLOAT32	°C	R	15th point's temperature
PFC_TEMPERATURE_VALUE-18 0x104A 4170 FLOAT32 °C R 18th point's temperature PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-22 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-23 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-28 0x105C 4190 FLOAT32	PFC_TEMPERATURE_VALUE-16	0x1046	4166	FLOAT32	°C	R	16th point's temperature
PFC_TEMPERATURE_VALUE-19 0x104C 4172 FLOAT32 °C R 19th point's temperature PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-23 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32	PFC_TEMPERATURE_VALUE-17	0x1048	4168	FLOAT32	°C	R	17th point's temperature
PFC_TEMPERATURE_VALUE-20 0x104E 4174 FLOAT32 °C R 20th point's temperature PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32	PFC_TEMPERATURE_VALUE-18	0x104A	4170	FLOAT32	°C	R	18th point's temperature
PFC_TEMPERATURE_VALUE-21 0x1050 4176 FLOAT32 °C R 21th point's temperature PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-25 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-26 0x105C 4188 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-28 0x1060 4192 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32	PFC_TEMPERATURE_VALUE-19	0x104C	4172	FLOAT32	°C	R	19th point's temperature
PFC_TEMPERATURE_VALUE-22 0x1052 4178 FLOAT32 °C R 22nd point's temperature PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-26 0x105C 4188 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-30 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 °C <td>PFC_TEMPERATURE_VALUE-20</td> <td>0x104E</td> <td>4174</td> <td>FLOAT32</td> <td>°C</td> <td>R</td> <td>20th point's temperature</td>	PFC_TEMPERATURE_VALUE-20	0x104E	4174	FLOAT32	°C	R	20th point's temperature
PFC_TEMPERATURE_VALUE-23 0x1054 4180 FLOAT32 °C R 23rd point's temperature PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 27th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 °C R 30th point's temperature PFC_Lo_Point 0x106F 4207 FLOAT32 % <t< td=""><td>PFC_TEMPERATURE_VALUE-21</td><td>0x1050</td><td>4176</td><td>FLOAT32</td><td>°C</td><td>R</td><td>21th point's temperature</td></t<>	PFC_TEMPERATURE_VALUE-21	0x1050	4176	FLOAT32	°C	R	21th point's temperature
PFC_TEMPERATURE_VALUE-24 0x1056 4182 FLOAT32 °C R 24th point's temperature PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 27th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 °C R 30th point's temperature PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Hi_Point PFC_Lo_Opint 0x1073 4211 FLOAT32 PF R/W Hi_	PFC_TEMPERATURE_VALUE-22	0x1052	4178	FLOAT32	°C	R	22nd point's temperature
PFC_TEMPERATURE_VALUE-25 0x1058 4184 FLOAT32 °C R 25th point's temperature PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 27th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 °C R 30th point's temperature PFC_Lo_Point 0x106D 4205 FLOAT32 °C R 30th point's temperature PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Hi_Point PFC_Li_C 0x1073 4211 FLOAT32 PF R/W Hi_C	PFC_TEMPERATURE_VALUE-23	0x1054	4180	FLOAT32	°C	R	23rd point's temperature
PFC_TEMPERATURE_VALUE-26 0x105A 4186 FLOAT32 °C R 26th point's temperature PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 27th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 % R/W Hi_Point PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-24	0x1056	4182	FLOAT32	°C	R	24th point's temperature
PFC_TEMPERATURE_VALUE-27 0x105C 4188 FLOAT32 °C R 27th point's temperature PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 % R/W Hi_Point PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-25	0x1058	4184	FLOAT32	°C	R	25th point's temperature
PFC_TEMPERATURE_VALUE-28 0x105E 4190 FLOAT32 °C R 28th point's temperature PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 % R/W Hi_Point PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-26	0x105A	4186	FLOAT32	°C	R	26th point's temperature
PFC_TEMPERATURE_VALUE-29 0x1060 4192 FLOAT32 °C R 29th point's temperature PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 % R/W Hi_Point PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-27	0x105C	4188	FLOAT32	°C	R	27th point's temperature
PFC_TEMPERATURE_VALUE-30 0x1062 4194 FLOAT32 °C R 30th point's temperature PFC_Hi_Point 0x106D 4205 FLOAT32 % R/W Hi_Point PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-28	0x105E	4190	FLOAT32	°C	R	28th point's temperature
PFC_Hi_Point 0x106D 4205 FLOAT32 % R/W Hi_Point PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-29	0x1060	4192	FLOAT32	°C	R	29th point's temperature
PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_TEMPERATURE_VALUE-30	0x1062	4194	FLOAT32	°C	R	30th point's temperature
PFC_Lo_Point 0x106F 4207 FLOAT32 % R/W Lo_Point PFC_Hi_C 0x1073 4211 FLOAT32 PF R/W Hi_C PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_Hi_Point	0x106D	4205	FLOAT32	%	R/W	Hi_Point
PFC_Lo_C 0x1075 4213 FLOAT32 PF R/W Lo_C PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_Lo_Point	0x106F	4207	FLOAT32	%	R/W	
PFC_Reset 0x108A 4234 FLOAT32 R/W (Standard type)Reset	PFC_Hi_C	0x1073	4211	FLOAT32	PF	R/W	Hi_C
	PFC_Lo_C	0x1075	4213	FLOAT32	PF	R/W	Lo_C
PFC_Save 0x108E 4238 FLOAT32 R/W (Standard type)Save(Signed)	PFC_Reset	0x108A	4234	FLOAT32		R/W	(Standard type)Reset
	PFC_Save	0x108E	4238	FLOAT32		R/W	(Standard type)Save(Signed)

Protocl	Modbus-RTU				
Parameter					
Serial s	Serial signaling rate				
	Date bits	8 Date bits			
Date format	Parity bit	None Parity			
	Stop bit	1 Stop Bit			