

PMC-53A-E Web Interface Introduction

2019/02/26

PMC-53A-E Web Interface

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Login Page

← → ↻ Not secure | 192.168.1.121 ☆ ⋮


PMC-53A-E






Ethernet Multifunction Meter


please input password


Login


Metering-> Basic (Default)


 **PMC-53A-E**


 Metering  Power Quality  Events  Setup 


 **Basic**

 Energy

 Demand

 TOU

 Max./Min.

 I/O

Basic

	1/12	2/23	3/31	Avg./Tot.
Uln	57.56 kV	57.66 kV	57.57 kV	57.60 kV
Ull	99.70 kV	99.86 kV	99.71 kV	99.76 kV
I	9.965 kA	9.981 kA	9.966 kA	9.971 kA
P	286.6 MW	287.6 MW	286.6 MW	860.8 MW
Q	496.9 Mvar	498.4 Mvar	497.0 Mvar	1.492 Gvar
S	573.6 MVA	575.5 MVA	573.7 MVA	1.723 GVA
PF	0.500	0.500	0.500	0.500
U Fund.	57.37 kV	57.37 kV	57.37 kV	--
I Fund.	9.961 kA	9.961 kA	9.961 kA	--
P Fund.	286.6 MW	287.6 MW	286.6 MW	860.8 MW
PF Fund.	0.500	0.500	0.500	0.499
U Angle	0.0 °	240.0 °	120.0 °	--
I Angle	300.0 °	180.0 °	60.0 °	--

Freq.: 50.00 Hz **I4:** 4.974 A **In:** 90.48 A **Ir:** 0.057 A **Operating Time:** 100.5 h

Metering-> Energy

ET PMC-53A-E

Metering

Power Quality

Events

Setup



Basic

Energy

Demand

TOU

Max./Min.

I/O

Energy

	Import	Export	Net	Total
kWh	43,410,251.9	0.1	43,410,251.8	43,410,252.0
kvarh	75,289,605.3	11.1	75,289,594.2	75,289,616.4
kVAh	--	--	--	86,907,887.4

Metering-> Demand

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Metering

Power Quality

Events

Setup



Basic

Energy

Demand

TOU

Max./Min.

I/O

Demand

	Demand	Predicted	This Max.	Last Max.
P	0.000 kW	857.8 MW	858.1 MW	858.0 MW
Q	0.000 kvar	1.488 Gvar	1.488 Gvar	1.488 Gvar
S	0.000 kVA	1.717 GVA	1.718 GVA	1.718 GVA
I1	0.000 A	9.955 kA	9.957 kA	9.957 kA
I2	0.000 A	9.955 kA	9.957 kA	9.957 kA
I3	0.000 A	9.956 kA	9.957 kA	9.957 kA

Metering-> TOU

ETC PMC-53A-E


Metering Power Quality Events Setup






Basic Energy Demand TOU Max./Min. I/O







TOU

kWh Imp.	kWh Exp.	kvarh Imp.	kvarh Exp.	kVAh
				Unit: kVAh
T1	87,370,593.6	T5		0.0
T2	0.0	T6		0.0
T3	0.0	T7		0.0
T4	0.0	T8		0.0

Metering-> Max./Min.

 **PMC-53A-E**

 Metering  Power Quality  Events  Setup 

 Basic  Energy  Demand  TOU  **Max./Min.**  I/O

Max./Min.

Max. Min.

	This Min.	This Min. Timestamp	Last Min.	Last Min. Timestamp
U1	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.414
U2	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.414
U3	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.415
Uln Avg.	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.415
U12	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.415
U23	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.416
U31	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.416
Ull Avg.	0.000 V	2019/02/12 06:55:31.000	0.000 V	2019/01/10 08:09:26.416
I1	0.000 A	2019/02/12 06:55:31.000	0.000 A	2019/01/10 08:09:27.153
I2	0.000 A	2019/02/12 06:55:31.000	0.000 A	2019/01/10 08:09:27.154
I3	0.000 A	2019/02/12 06:55:31.000	0.000 A	2019/01/10 08:09:27.154
I Avg.	0.000 A	2019/02/12 06:55:31.000	0.000 A	2019/01/10 08:09:27.154
P1	0.000 kW	2019/02/12 06:55:31.000	NaN kW	2019/01/10 08:09:26.176

Metering-> I/O

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Metering Power Quality Events Setup

- Basic
- Energy
- Demand
- TOU
- Max./Min.
- I/O**

I/O

DI1	Digital Input	OFF
DI2	Digital Input	OFF
DI3	Digital Input	OFF
DI4	Digital Input	OFF
DO1		OFF
DO2		OFF
AI		1,000.00

Power Quality-> Harmonics

PMI-53A-E

Metering

Power Quality

Events

Setup



Harmonics

Sym. Comp. & Unb.

Harmonics

	U1	U2	U3	I1	I2	I3
	U1	U2	U3	I1	I2	I3
THD	5.690 %	5.672 %	5.668 %	11.52 %	11.52 %	11.50 %
TOHD	5.686 %	5.667 %	5.663 %	11.51 %	11.50 %	11.49 %
TEHD	0.215 %	0.240 %	0.237 %	0.497 %	0.496 %	0.507 %
Crest Factor	--	--	--	1.417	1.418	1.410
K-Factor	--	--	--	1.277	1.277	1.274
TDD	--	--	--	11.50 %	11.51 %	11.53 %

No.	%HD	No.	%HD	No.	%HD	No.	%HD
02	0.172 %	10	0.000 %	18	0.101 %	26	0.000 %
03	3.267 %	11	1.537 %	19	0.000 %	27	0.000 %
04	0.127 %	12	0.000 %	20	0.000 %	28	0.000 %
05	2.833 %	13	1.087 %	21	0.000 %	29	0.000 %
06	0.000 %	14	0.000 %	22	0.000 %	30	0.000 %
07	2.391 %	15	0.655 %	23	0.000 %	31	0.000 %
08	0.000 %	16	0.000 %	24	0.000 %		
09	1.918 %	17	0.000 %	25	0.000 %		

Power Quality-> Sym. Comp. & Unb

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Metering

Power Quality

Events

Setup



Harmonics

Sym. Comp. & Unb.

Sym. Comp. & Unb.

	Voltage	Current
Positive Sequence	0.000 V	0.000 A
Negative Sequence	0.000 V	0.000 A
Zero Sequence	0.000 V	0.000 A
Unbalance	0.000 %	0.000 %

Events-> SOE



PMC-53A-E

Metering

Power Quality

Events

Setup



SOE

SOE

No.	Time	Description
1	2019/02/26/ 03:00:00.156	Alarm Email Triggered by Setpoint
2	2019/02/26/ 03:00:00.156	Over P Pred. Demand Setpoint Active,Value:858.7 MW
3	2019/02/26/ 02:54:42.000	Power On
4	2019/02/25/ 10:03:02.156	Power Off
5	2019/02/25/ 05:45:00.156	Alarm Email Triggered by Setpoint
6	2019/02/25/ 05:45:00.156	Over P Pred. Demand Setpoint Active,Value:856.8 MW
7	2019/02/25/ 05:40:11.000	Power On
8	2019/02/25/ 05:39:00.049	Power Off
9	2019/02/25/ 03:30:51.976	Setup Changed via Panel
10	2019/02/25/ 03:30:45.976	Setup Changed via Panel
11	2019/02/25/ 01:15:00.154	Alarm Email Triggered by Setpoint
12	2019/02/25/ 01:15:00.154	Over P Pred. Demand Setpoint Active,Value:857.5 MW
13	2019/02/25/ 01:09:13.150	Setup Changed via Panel
14	2019/02/25/ 01:08:18.000	Power On
15	2019/02/24/ 12:30:56.259	Power Off
16	2019/02/24/ 10:48:41.838	Setup Changed via Panel

Last

1/7

Next

Setup-> Basic

PMC-53A-E

Metering Power Quality Events Setup

Basic

Comm. Demand Clock Maintenance Device Info.

Basic

Wiring

Wiring Mode: DEMO
I2 Polarity: 1P2W L-N
I1 Polarity: Normal
I3 Polarity: Normal

Rated

PT Primary: 100100 V
PT Secondary: 100 V
CT Primary: 10005 A
CT Secondary: 5 A
I4 Primary: 5 A
I4 Secondary: 5 A

Energy

LED Energy Pulse: kWh
EN Pulse CNST: 1000
EN Period: 60 min

Algorithm

PF Convention: IEC
THD Calc.: THDF
kVA Calc.: Vector
kvarh Calc.: RMS
OT Threshold: 0.001 Iprim

Display

Language: English
Delimiter: 99,999.99

Save

Setup-> Comm.

CET PMC-53A-E Metering Power Quality Events Setup ➔

Comm.

RS-485 (P1)

Protocol:

Unit ID:

Baud Rate:

Data Format:

Ethernet (P2)

IP Address:

Subnet Mask:

Gateway:

SNTP

Set Clock:

Interval: min

Server IP:

SMTP

Server IP:

Port:

Sender:

Password:

Receiver:

E-mail Test:

✓ Successful

Setup-> Demand

PMI-53A-E Metering Power Quality Events Setup

Demand

Basic

Period min No. of Windows


Predicted Response

Self-Read Time

Auto Day Hour

Manual

Setup-> Clock

 PMC-53A-E


 Metering


 Power Quality

 Events

 Setup





 Basic

 Comm.

 Demand

 Clock

 Maintenance

 Device Info.

Clock

Clock

Date

Time

Time Zone

Date Format

Sync. with PC

Save

Setup-> Maintenance

PMU-53A-E

Metering Power Quality Events Setup

- Basic
- Comm.
- Demand
- Clock
- Maintenance**
- Device Info.

Maintenance

Groups

Clear Present Max. DMD

Clear Present Max./Min.

Clear All DR Logs

Clear SOE Logs

Clear All Demand

Clear All Max./Min.

Clear All Pulse Counters

Clear All Energy Registers

✓ Successful

Individuals

Clear DR1 Log

Clear DR2 Log

Clear DR3 Log

Clear DR4 Log

Clear DR5 Log

Clear His. Monthly Energy Log

Clear Pres. Monthly Energy Log

Clear Operating Time

Clear DI1 Pulse Counter

Clear DI2 Pulse Counter

Clear DI3 Pulse Counter

Clear DI4 Pulse Counter

Clear Daily Freeze Logs

Clear Monthly Freeze Logs

Clear All Data

Setup-> Device Info.

EAT PMC-53A-E

Metering Power Quality Events Setup

Basic
Comm.
Demand
Clock
Maintenance
Device Info.

Device Info.

Basic	
S/N	1512150001
MAC Address	80-F0-00-92-00-00

Version	
Firmware	V1.00.01
Date	2018/12/29
Modbus	V1.0
BACnet MS/TP	V1.1
DNP	V1.1