MULTIPOINT Submeter System
User Manual
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Proprietary Notice

The material contained herein consists of information that is the property of Cyber Switching® and intended solely for customer use in operating the Multipoint Submeter described in this guide. All specifications are subject to change without notice. Changes are made periodically to the information in this publication, and these changes will be incorporated in new editions.

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1 Overview

1.1 Scope

The Multipoint Submeter is a multi-channel device capable of measuring three voltage channels and up to six current channels. The Multipoint’s six current input channels allow multiple loads to be measured simultaneously. The three voltage channels and six current channels each have a complete signal path allowing for a full range of measurements. Each input channel are designed to work with Cyber Switching split core 0.33V voltage output current transformers (CTs, product order numbers listed below).

The purpose of this document is to:

- Instruct how to configure the operating software for the Multipoint Submeter Module. This document can be used to support field installations or software setting changes to Multipoint Submeter systems.
- Provide general steps on how to use current tools in the Multipoint Submeter Module operating software.
- Instruct how to set up the Multipoint Submeter Module to communicate with a personal computer and the module’s web interface.
- Provide general steps on how to configure various Multipoint Submeter Module settings using the system’s web interface via a browser on the computer.

**Important:** Always confirm the locally stored software and related downloads are the latest versions available from Cyberswitching.com before performing any product configuration or software upgrade.

1.2 Hardware and Software Requirements

The following hardware and software tools are required to install and configure a Multipoint Submeter Module:

<table>
<thead>
<tr>
<th>Cyber Switching part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-400-MM-060</td>
<td>Multipoint Submeter module</td>
</tr>
<tr>
<td>CS-400-SH-06</td>
<td>Multipoint Submeter Hub</td>
</tr>
<tr>
<td>10140013</td>
<td>SUBMETER Hub OTG cable</td>
</tr>
<tr>
<td>CS-400-CTXXX</td>
<td>Cyber Switching current transformer, installed. Available models are: CS-400-CT050 Split Core CT, 50A CS-400-CT100 Split Core CT, 100A CS-400-CT300 Split Core CT, 300A CS-400-CT600 Split Core CT, 600A</td>
</tr>
<tr>
<td>--</td>
<td>Laptop or desktop computer that store upgrading software</td>
</tr>
<tr>
<td>--</td>
<td>RJ45 Ethernet network cable (length as needed for network connection from installed Multipoint Submeter module to Multipoint Submeter Hub)</td>
</tr>
<tr>
<td>--</td>
<td>Mounting screws (#6 or M4 suggested)</td>
</tr>
</tbody>
</table>
In addition, the following two tools may be required for software configuration and configuring Multipoint module communication. They can be downloaded from the Cyber Switching website:

- Multipoint Configuration Tool
- Cyber Switching Discoverer Tool

These tools are detailed later in the procedure as needed.
2 Installing the Hardware

The following explains how to install the Multipoint Submeter module to a Submeter hub, and then connecting the hub to a standard personal computer. A Multipoint Submeter Module Quick Start Installation Guide listing the same information can also be downloaded from the Cyber Switching website for easy reference at www.Cyberswitching.com.

INSTALLATION NOTES:

- The Multipoint Submeter Module comes preconfigured to Meter ID #8. If adding a new Multipoint Submeter Module to a hub that already has a module connected to meter port 8, temporarily disconnect the existing module prior to connecting and configuring the new module. When new module node ID assignment is complete, plug back in the module initially assigned to port 8.
- Accuracy and function of the system requires the use of Cyber Switching Current Transformers. Do not install and configure this system with non-Cyber Switching components.

⚠️ WARNINGS: ⚠️

- **The Multipoint Submeter Module is to be installed by a licensed electrician. Read all warnings and review instructions prior to initiating installation.**
- Installation and setup of the network should be performed by qualified technicians only.
- Install all equipment following NEC wiring codes and local electrical standards.
- Submeter Module is an open type device intended for installation into a UL-rated electrical cabinet.
- Ensure the neutral of the mains supply system the meter is intended to monitor is earthed.
- De-energize the installation on which the current is measured, or adopt safe operating procedures when working on a hazardous live installation during application, or removal of current sensors or other system components identified in this installation procedure.
- Current sensors and Submeter modules may not be installed in a cabinet where they exceed 75% of the wiring space of any cross-sectional area within the cabinet.
- If the equipment is used in a manner not specified by Cyber Switching, the protection provided by the equipment may be impaired.
- Equipment is intended for installation in a restricted access location only.
- Disconnect all power supply cords before servicing.
- Voltage sense and neutral lead wires are required to be connected on a circuit breakers or other internal switch. For easy access, ensure that the breaker is placed near the module.
The Multipoint Submeter System is comprised of a Multipoint Submeter Hub, Multipoint Submeter Module and Split Core Current Transformers. Figure 1 below shows the Multipoint Submeter Hub, figures 2 and 3 show the module and its integral leadwire and their intended connections:

**Figure 1: Multipoint Submeter Hub**

**Figure 2: Multipoint Submeter Module**

**Figure 3: Multipoint Submeter Module Leadwire. Wiring is integral to the module and the intended connection for each leadwire is labeled in the figure.**
2.1 Installing the Multipoint Submeter Hub and Module

To install the Multipoint Submeter Hub and Multipoint Module:

1. Determine location to mount submeter module inside electrical cabinet, drill clearance holes if required. See figures 4 and 5 below for typical view.

2. Drill 7/8" diameter hole for module data/panel connector. Secure connector to panel.

3. Install module, connect lead-wires for CT-coils and reference voltage. See figure 6 for reference views showing typical installation of module and CT-coils (not included) for single phase, three wire and three phase circuits.

4. After installation of unit, close electrical cabinet. Ensure wire placement is as per local electrical codes and listed warnings.

5. Connect module to hub using RJ45 Ethernet patch cable.

6. Connect the hub to the computer network using RJ45 patch cable.

---

Figure 4: Typical submeter module installation inside electrical cabinet (1).
Figure 5: Typical Installation of unit into electrical cabinet (1).

(1) Submeter module leadwires and CT Coils not shown in figure for clarity.
(2) Not UL approved for installation at service entrance or in manufactured distribution panel unless specified as an approved accessory.
Figure 6: Wiring schematic view for typical installations.
3. Configuring the Software

Before configuring the Multipoint Submeter Module, download the latest version of the *Multipoint Configuration Tool.zip* file from the [Cyber Switching website](https://www.cyberswitching.com), and unzip the contents of the file.

Configuration of the Submeter module requires selection of the CT-coil(s) installed with the Submeter module, voltage settings, meter name and meter (or node) ID.

To configure the Multipoint Submeter Module:

1. Plug the Submeter Hub into a 120 or 208/240V outlet.
2. Ensure from the hardware installation process that the Multipoint module is connected to an available meter port on the hub. The module will power up and a green LED displayed when the Ethernet connection is established with the hub.
3. Ensure from the hardware installation process that one end of the Submeter Hub OTG cable is connected to the OTG port on the hub, and the other to a USB 2.0 (or greater) port on the computer used to configure the system.
4. Launch the Submeter configuration tool downloaded earlier.

When the configuration program launches, an alert screen will show indicating the SUBMETER Hub LCD view and Web page view will not update during installation. Click OK to continue.

5. The main interface screen for the Multipoint configuration program is displayed. When a connected Submeter is detected, a “Submeter device found” message appears, indicating that a Submeter hub has been detected and is ready to be configured. If “Submeter device not found” is displayed, click Refresh to search for a connected Multipoint submeter.
6. Click **Rescan Meter Node** to scan for any Multipoint modules currently connected to the hub. During the scan, a processing screen will display.

   ![Processing please wait...](image)

7. Once the Submeter scan is complete, the default configuration (Meter node ID 8) for the Multipoint Submeter module(s) located is displayed.
The Meter ID to the software system identification for the Multipoint module. It is recommended that the meter ID (also referred to as NODE ID) of the module match the port of the Multipoint hub to which is the module physically connected.

### 3.1 Changing the Meter ID

The Submeter meter node ID can be changed by doing the following:

1. Click **Change meter ID**. A list of available meter IDs is displayed.
2. Select a new ID from the “New Meter IDs” column.

3. Click **Change**. An alert screen appears confirming the ID change. Click **OK** to close the configuration program. Disconnect the Multipoint module from the Multipoint Hub meter port to power cycle the unit.

4. Reconnect the module to the Hub and launch the Multipoint Configuration program.

5. Press **Rescan Meter Node** to confirm the new ID number for the meter. In this example, the identification was changed from #8 to #1.

### 3.2 Changing the Meter Name and Channel ID

The default names for the meter channels A through F (large red box) of the Multipoint meter identify the module and the channels in the EMC web interface.

To change the name of the meter:

1. Click in the “Meter Name:” box and enter a new name.
2. Click **Apply**.
3. Disconnect the Multipoint module from the Multipoint Hub meter port and reconnect it to power cycle the unit.
4. Press **Rescan Meter Node** to confirm the changes.

To assign a unique name for each channel:

1. Click on the Line id name of a channel and type a new name.

2. Click **Apply**.
3. Disconnect the Multipoint module from the Multipoint Hub meter port and reconnect it to power cycle the unit.
4. Press **Rescan Meter Node** to confirm the changes.

### 3.3 Configuring CT Coil Values

The main screen of the Multipoint configuration program displays the current CT-coil values selected for the Multipoint unit. Default software settings are for 50A CT-coils connected to meter lines 1-6 of the Multipoint module.

To change a CT coil value:

1. Select the desired coil value from the pull-down menu for Line 1, 2, 3, 4, 5 or 6.
2. The following Alert window will display when the new Current Level is selected. Press OK if intending to apply the CT coil settings to all 6 meter lines. If not applying this value to the remaining CT coils unassigned, then press now and move onto the next process. (Not getting this)

When “No” is selected, the configuration will show the changed value for Meter Line 1 only. All other lines remain unchanged as shown in the figure below.
3. Click **Apply** to save the updated configuration. The processing box will show while the system updates.

4. Disconnect the Multipoint Module from the meter port and reconnect it to power cycle the submeter module to save the setting to firmware.

5. Press **Rescan Meter Node** to confirm that the updated CT-coil selection(s) is displayed on the for each meter line.

### 3.4 Configuring Voltage Information

Voltage information can be configured from either the Voltage setting area on the main screen of the Multipoint configuration tool or by using Voltage Sync.
3.4.1 Adjusting Voltage Configuration Settings

The default setting for each voltage is “Automatic” and is indicated by a checked box. An automatic setting is used if the module is monitoring voltage. Manual settings are used when referencing a specific voltage level and not a direct voltage measurement.

If a specific voltage is to be used, uncheck “Automatic Voltage” and type in the value for each Voltage line. Note that this is not required if Voltage Sync is to be used.

To use Automatic Voltage:

1. Check the **Automatic Voltage** box.
2. Select the phase for the reference voltage using the drop down menu. Select from either A (default), B or C. Repeat for all meter lines to change.

3. Click **Apply** to set new voltage configurations.
4. Disconnect the Multipoint Module from the meter port and reconnect it to power cycle the submeter module to save the setting to firmware.
5. Press **Rescan Meter Node** to confirm that the voltage configurations have been updated.

### 3.5 Using Voltage Sync

The Voltage Sync function configures the Multipoint module to receive voltage information from a separate Multipoint module connected to the same Multipoint Submeter Hub.

To configure voltage information using Voltage Sync:

1. Click **Voltage Sync** from the main screen of the Multipoint Configuration Tool.

2. Check the **Enable Voltage Sync** box.

3. Select the Multipoint meter directly connected to the source voltage from the "Voltage Source" pull-down menu. In this example "Meter 1" is being selected as the Voltage Source meter.
Note: The following error message is displayed if the source meter ID is not connected to a device.

4. All meters on the hub able to receive voltage information from the source meter (Meter-8 in this example) are displayed. Unavailable meters are grayed out. Select the Meters to receive the voltage source information from “Meter 1”. In the example below Meters 2, 7 and 8 are selected.

5. Click Sync Voltage.
6. Disconnect the Multipoint Module from the meter port and reconnect it to power cycle the submeter module to save the setting to firmware.
7. Press Rescan Meter Node to confirm that the voltage configurations have been updated.
3.6 Storing or Resetting kWh Values

To enter a specific starting kWh value onto the source meter, or to reset the kWh value to “0”:

1. Click **Store kWh** on the main Multipoint Configuration tool window.

![Store kWh](image)

2. Select the Submeter meter node ID from the “Available Meter IDs” window.

![Available Meter IDs](image)

3. Click **Store kWh**.

**Note:** The kWh value can be reset to “0” by clicking **Reset kWh**.

8. Disconnect the Multipoint Module from the meter port and reconnect it to power cycle the submeter module to save the setting to firmware.

9. Press **Rescan Meter Node** to confirm that any kWh settings have been updated.
4. Configuring Initial Multipoint Submeter Communication

The Multipoint Submeter Hub is web enabled and the device interface can be reached using a standard browser to do the following:

- View Meter and Line Details
- Using Voltage Sync
- Changing User Settings
- Using SNMP
- Setting Date and Time with NTP
- Enabling and Disabling an HTTP Connection
- Rebooting or Resetting the System

The Multipoint Submeter Hub is DHCP enabled and can obtain an IP from the network hub once the device is powered up. The MAC address for the hub is listed on the unit label (look for 00:09:E6:XX:XX:XX). For static IP networks, the default static IP for the hub is 192.168.0.2.

The Cyber Switching Discoverer tool can be downloaded and used to find Cyber Devices on your network. Simply download the program from the Cyber Switching website and install on your desktop.

1. Launch the Cyber Switching Discoverer tool. All Cyber Switching devices found are displayed. Double-click on the Multipoint device (example shown below).

2. Enter a valid User Name and Password when prompted and click OK.
The Multipoint Submeter device home page opens and lists all available Meters and Outlets for the selected device.

![Multipoint Submeter Display](image)

### 4.1 Using the Web Interface

The Multipoint Submeter is designed to record and show accurate metering data in real time.

Both meter details and individual line details can be viewed from the Multipoint Submeter device home page.

#### 4.1.1 Changing the Name of a Meter

The name of any of the listed meters can be changed by doing the following:
1. Click **Edit** next to the meter name to change.

![Multipoint Submeter Interface](image)

2. Click in the “Meter Name” text box and enter a new name for the meter.

![Meter Name Input](image)

3. Click **Change**.

4.1.2 Viewing Line Details

To view information on a specific line or change the name of a line:
1. Click on the line to view.

![Multipoint Submeter System Configuration Manual](image)

2. The “Metering Values” screen opens:

![Metering Values Screen](image)

The “Metering Values” screen provides the following information:

- Name of the meter.
• Current voltage in Line. If Automatic Voltage is selected, the voltage value is automatically taken from the Line. If unchecked, the voltage value must be entered manually.
• The CT Coil value Coil according the CT Coil physically connected. The following values are available for selection:

<table>
<thead>
<tr>
<th>Metering Values</th>
<th>Meter Name</th>
<th>Meter 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>N/A</td>
<td>V</td>
</tr>
<tr>
<td>CT Coil Value</td>
<td>0.00</td>
<td>Select</td>
</tr>
<tr>
<td>Current</td>
<td>0.00 A</td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>N/A Hz</td>
<td></td>
</tr>
</tbody>
</table>

• The current value in Line
• The Power factor of the Line
• The frequency of the Line
• Total KWh Demand with reset option, Click Reset to reset to “0”
• Real Time KW Load
• KWh Demand (previous 15 minute period) with a time stamp for every 15 minutes.
• Peak kWh Demand (previous 15 minute period) with a time stamp for every 15 minutes and a reset option. Click Reset to reset to “0”.
• kW Historic Peak Demand with Time Stamp for every 15 minutes and a reset option. Click Reset to reset to “0”.
• Name of the Line To change the Line name, click in the “Channel Name” text box and enter a new name up to 14 characters.

4.2 Using Voltage Sync

Voltage Sync functionality can be enabled or disabled for specific meters. A typical installation in a Submeter hub device contains up to eight sub meter metering devices. Each sub meter device typically connected to a voltage source though a circuit breaker for each device. When the meter is connected to same voltage source then cost of installation goes up. Voltage Sync (Sharing) reads voltage from one source and synchronize to other meters in the same hub.

Note: For higher accuracy, it is recommended to connect a voltage source for each individual meter.

To use Voltage Sync:

1. Click on the Voltage Sync menu.
2. Click in the **Enable Voltage Sync** check box.

![Voltage Sync Settings](image)

Select the Voltage source from the Meter list (Meter 1 to Meter 8) using the “Voltage Source” pull-down menu.

3. Under “Voltage Receivers”, click in the check box next to the meter(s) to synchronize with the “Voltage Source” selected in step 2.

![Voltage Receivers](image)

4. Click **Save**.

### 4.3 Changing User Settings

Admin and user passwords can be changed from the User menu.

To change an admin password:

1. Click on the **Users** menu.
2. Enter the old password in the “Old Password” text box under “Administrator Settings”.

![Password Entry Form]

3. Enter a new password in the “New Password” text box under “Administrator Settings”. Re-enter it to confirm.

4. Click **Change Password**.

To change a user password:

1. Click on the **Users** menu.

![User Menu]

---

**Note**: Ensure to keep the password confidential and change it regularly for security.
2. Enter the old password in the “Old Password” text box under “User Settings”.

3. Enter a new password in the “New Password” text box under “User Settings”. Re-enter it to confirm.

4. Click Change Password.

4.4 Editing Network Settings

By default, the Multipoint Submeter attempts to contact a DHCP server to obtain an IP address and other network settings. These settings may be left unchanged, which will not affect the performance of the Multipoint Submeter, or they may be changed to better communicate with the rest of the network.

The following can be changed:

- Network Settings
- SNMP
- System information
- NTP
- HTTP
4.4.1 Changing Network Settings

If a service in the Multipoint Submeter requires a domain name such as email notification, SNMP, or NTP, the DNS servers must be configured. This requires the DNS server address for the local system being used, which can be provided by a system administrator.

DHCP settings can be configured automatically by clicking in the Enable DHCP check box. To manually enter network settings, ensure the Enable DHCP check box is unchecked, enter all pertinent information, and click Save Network Settings.

Note that changing the IP address will result in the loss of network connectivity with this device. After changing the network settings, manually enter the new IP address to re-connect to this device.

In addition, the Host Name can be edited by clicking in the Host Name text box. Click Save Network Settings once all changes have been made.

4.4.2 Using SNMP

The following SNMP versions are supported in the Multipoint Submeter system:

- **SNMP v2c:** Enables communication with an SNMP manager using SNMP v1 or v2c protocol.

- **SNMP v3:** Enables communication with an SNMP manager using SNMP v3 protocol. The SNMP v3 protocol allows for encrypted communication. To take advantage of this, users need to have an Authentication Pass Phrase and Privacy Pass Phrase, which act as shared secrets between them.
To use SNMP v2c

1. Click the **Settings** menu.

2. Click in the **SNMP v2c** bubble.

3. Enter the read and write community values in their respective fields.

4. Click **Save SNMP Settings**.

To use or SNMP v3:

1. Click the **Settings** menu.
2. Click in the **SNMP v3** bubble.

3. Enter a user name in the “SNMP v3 User” field.

4. Select a authentication level from the “Change Authentication” pull-down menu.

   - **NoauthNopriv**: No Authentication and No Privacy
   - **authNopriv**: Enable Authentication and No Privacy
   - **authpriv**: Enable both Authentication and Privacy
5. Click Save SNMP Settings.

4.4.3 Changing System Settings

To change the name, location and contact information for the system:

1. Click the Settings menu.

2. Enter a new system name, location or contact information in their respective text fields.

3. Click Save General Settings.

4.4.4 Setting Date and Time with NTP

Date and time settings are used by the scheduled events program to determine whether an event is active or not. By default, date and time are set to get their data from an NTP server and will not need any further configuration. The date and time can be manually entered, however.

To set the date and time using NTP:

1. Click the Settings menu.

2. Enter server information. Only one server is required, but all three are recommended. When one server is not reached it will use the next available.
3. Select a time zone from the “Time Zone” pull-down menu.

4. Click the **Enable NTP to set date/time** check box to have the NTP server automatically set the date and time.
Note: To manually enter a date and time, uncheck Enable NTP to set date/time and click on the calendar icon next to “Set Date and Time” to select the desired day and time.

5. Click Save NTP Settings.

4.4.5 Enabling and Disabling an HTTP Connection

Users have the option to utilize an HTTP connection or to disable it.

To enable/disable an HTTP connection:

1. Click the Settings menu.
2. Click in the **Enable HTTP connection** check box to use an HTTP connection. Uncheck it to disable HTTP.

   ![HTTP Settings](image)

   Click **Save Http Settings**.

### 4.5 Rebooting or Resetting the System

An admin has the capability to perform a system reboot or reset the system to the factory defaults.

Once a system reboot is completed, all users must log back in. Resetting the system to the factory defaults clears all user and network settings and reverts them to their default values.

To reboot or reset a system:

1. Click the **System** menu.

   ![Submeter CSM3PH System Menu](image)

2. Click **System Reboot** or **Reset to Factory defaults**.

   ![Submeter CSM3PH System Reboot or Reset](image)

   **Important!** Note the **Cautions** shown on the screen before performing a reboot or reset.
The following system information is also available from the System menu:

- Model name
- Serial number
- Model number
- Firmware version
- Manufacturing date

5 Using the Multipoint Submeter Hub LCD Interface

The LCD interface on the Submeter Hub can be used to do the following:

- View meter information and values
- Reset a meter values
- View line information and values
- Reset line values
- Enable/disable DHCP
- Configure static information
- Enable/disable NTP settings
- View sensor information

Once the Submeter hub boots up, the Main Menu appears.

Return to the Main Menu from any screen by pressing the Cyber Switching icon in the upper left corner of the screen.

Note:

The firmware for the submeter hub automatically updates the values in the LCD screen. A progress bar is seen as the system updates. The LCD is not available during update; however data can be accessed through the website during this process.
5.1 Viewing General Submeter Information
Press About from the Main Menu to display the current Firmware version. Press the Cyber Switching icon to return to the Main Menu.

5.2 Viewing Meter Information
To view Meter information:

1. Press Meter from the Main Menu to display all available meters.
2. Press on a meter to view information on the channels within it.

Power usage data for the meter chosen is shown for each channel line.

Press on **Back** and **Next** to navigate through the remaining meters.

### 5.3 Viewing Channel Line Information

The following information for each channel line is available to view:

- Voltage
- Current
- Power
- Frequency
- CT Coil
- kWh details (peak, historic demand, real-time load numbers)
To view channel line information:

1. Press on the desired channel line to view (CH A – CH F).

![Meter 1](image1)

Detailed information is displayed for that channel line:

![Meter 1 Channel A](image2)

The following can be done from this screen:

- Click **Total kWh** to reset the “Total kWh” reading to “0”.
- Click **Back** or **Next** to navigate through the remaining channel lines.

2. Press **Next** to view additional kW information:
The following can be done from this screen:

- Click **Rst His kW** to reset the historic kW reading to “0”.
- Click **Rst Pk kWh 15m** to reset the 15 minute time stamp period to “0”.

### 5.4 Selecting Submeter Settings

Select how Network settings should be obtained, and enable NTP settings using the “Settings” menu.

#### 5.4.1 Using DHCP and Static

DHCP or Static can be used to obtain network settings.

To select DHCP:

1. Press **Settings** from the Submeter Main Menu.
2. Press **Network Settings**.

3. Press **DHCP**.

   IP configuration is now in automatic mode, and “Enabled” appears next to “DHCP”.

To select Static, press **Reconfigure** or do the following:
1. Press **Settings** from the Submeter Main Menu.

![Main Menu](image1)

2. Press **Network Settings**.

![Settings](image2)

3. Press **Static**.

![Network Information](image3)
4. Enter an IP Address and press **Next**.

5. Enter an IP Subnet mask value and press **Next**.

6. Enter an IP Gateway value and press **Next**.

7. Enter a DNS Server value and press **Next**. (Repeat if more than one DNS Server exists).

IP configuration is now in static mode.
5.5 Entering NTP Setting Information

NTP is used to store the local date and time in the Submeter hub. This can be done automatically or manually.

To have NTP values displayed automatically:

1. Press **Settings** from the Submeter Main Menu.

2. Press **NTP Settings**.
3. Press in the **Enable NTP** box to activate it.

![NTP Settings](image)

4. Press **Save**.

To manually enter NTP values, uncheck **Enable NTP**, enter date and time values in their respective fields and press **Save**.

### 5.6 Viewing Sensor Information

Temperature, Pressure and Humidity values of the sensor connected to USB Port 1 is displayed using the Sensor feature. Click **Sensor** from the Submeter Main Menu.

![Main Menu](image)
The following screen is observed: