VistaTouch

A New Dawn in Panel Meters is Here

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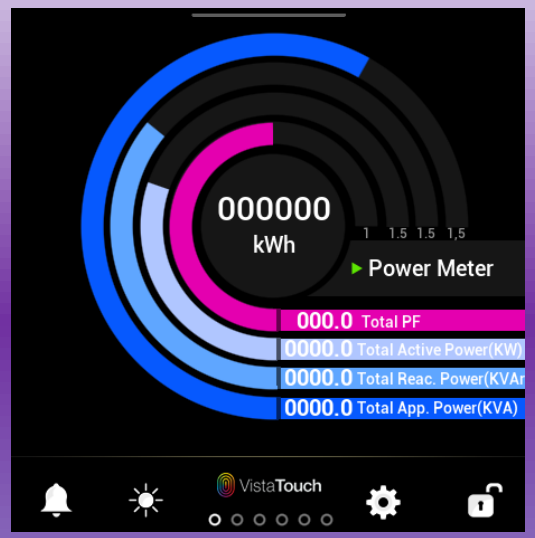
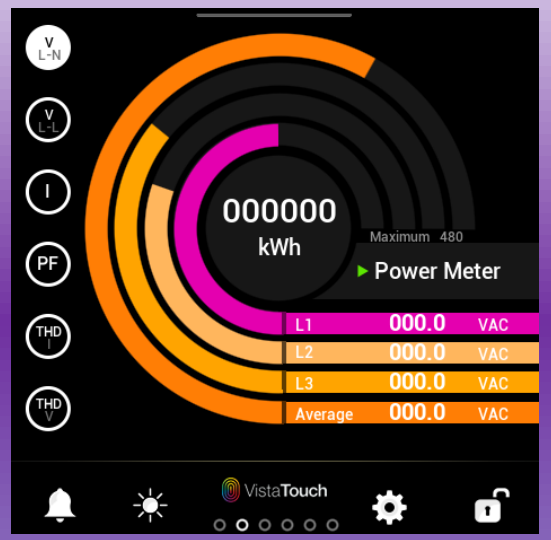
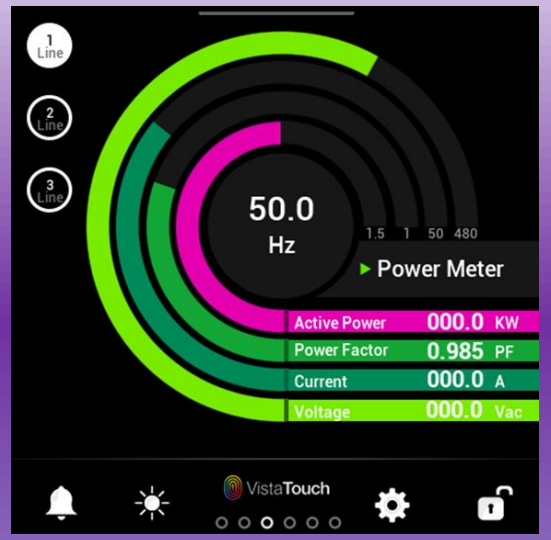
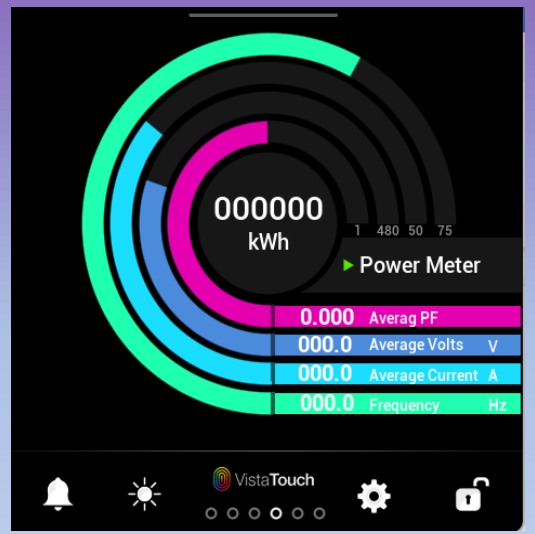
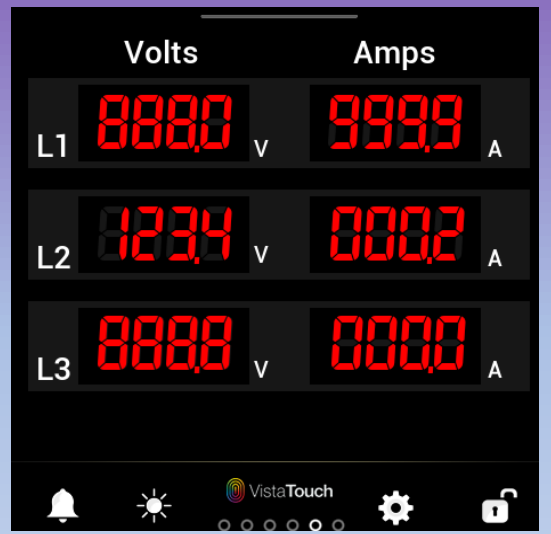
GAUGE SELECTION











Parameter	L1-N	L2-N	L3-N
Volt	000.0 Vac	000.0 Vac	000.0 Vac
Phase Ang V	100 Deg	100 Deg	100 Deg
Current	000.0 A	000.0 A	000.0 A
Phase Ang A	120 Deg	120 Deg	120 Deg
Pwr (Active)	000 W	000 W	000 W
Pwr (React)	000 VA	000 VA	000 VA
Pwr (App)	000 VAr	000 VAr	000 VAr
Power Factor	1.00	1.00	1.00
Voltage THD	100 %	100 %	100 %
Current THD	100 %	100 %	100 %

Frequency	00.0 Hz	Power Meter

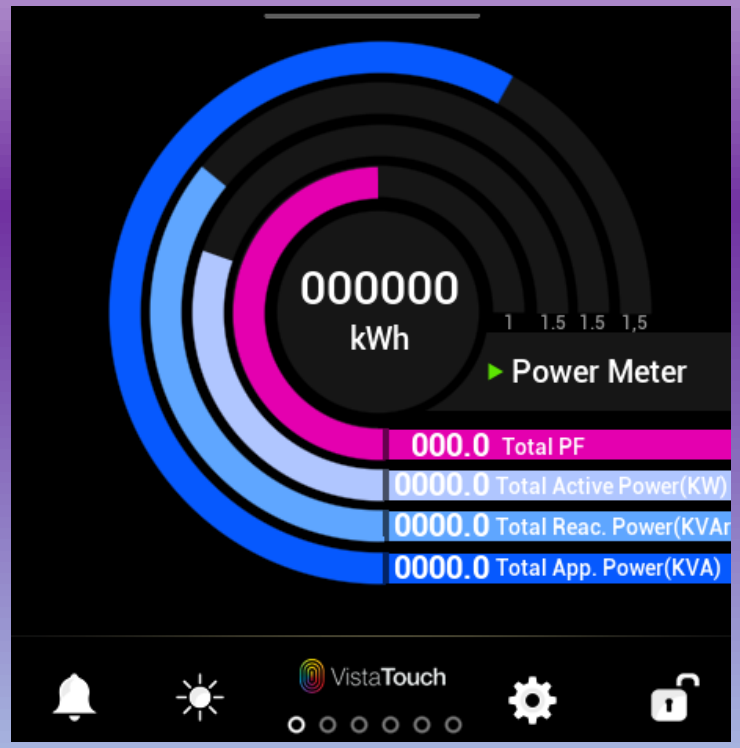
Line	Voltage
L1-L2	000.0 Vac
L2-L3	000.0 Vac
L3-L1	000.0 Vac

Totals	Power	Energy
Active	000 W	0.0 kW
Apparent	000 W	0.0 kVar
Reactive	000 W	0.0 kVA

Swipe Left or Right on the display screen to choose your gauge

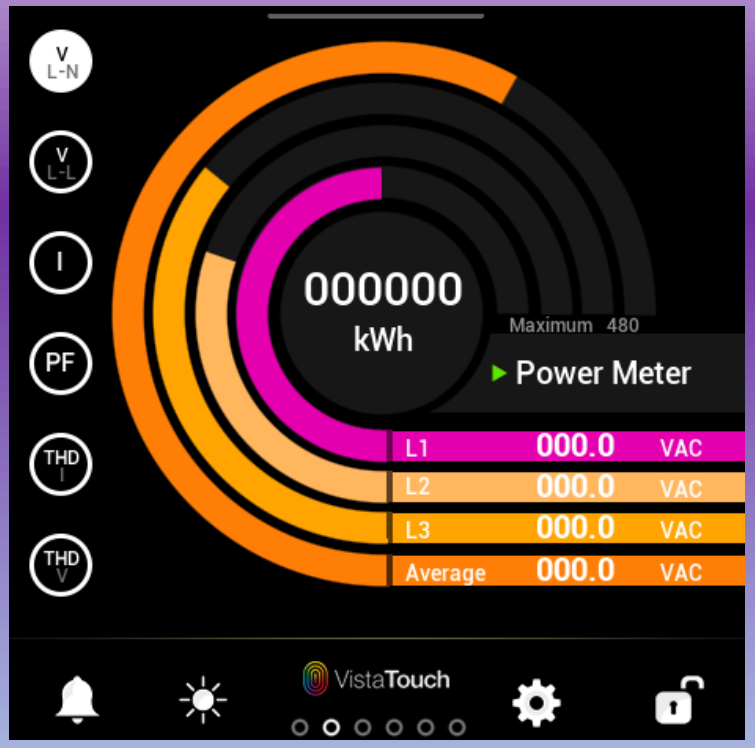
DISPLAY GAUGES 1 & 2

Racetrack Gauge 1



- ❑ Total Power Factor
- ❑ Total Active Power (KW)
- ❑ Total Reactive Power (K VAr)
- ❑ Total Apparent Power (KVA)

Racetrack Gauge 2

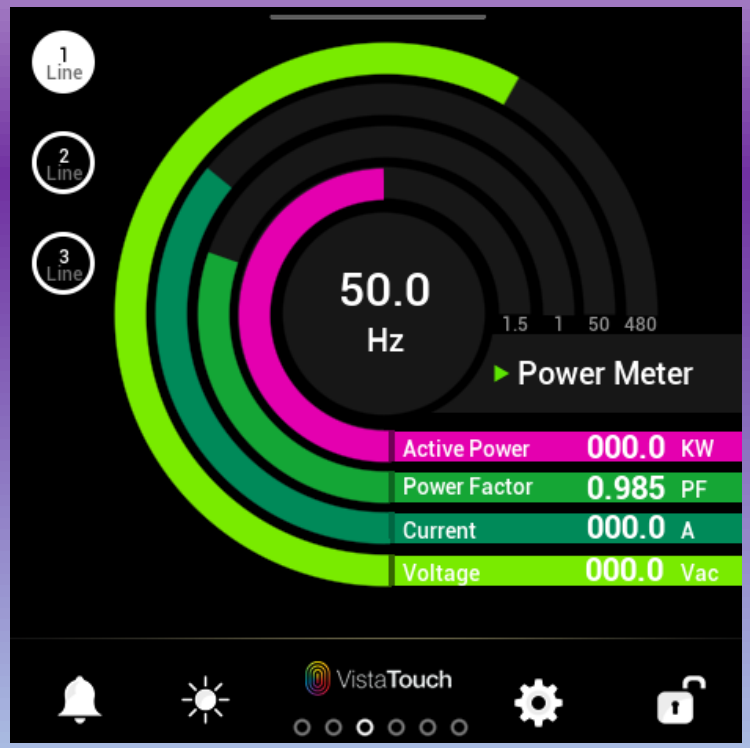


- ❑ Voltage L-N (L1, L2, L3, Average
- ❑ Voltage L-L (L1, L2, L3, Average)
- ❑ Current (L1, L2, L3, Average)
- ❑ Power Factor (L1, L2, L3, Average)
- ❑ THD Current (L1, L2, L3, Average)
- ❑ THD Voltage (L1, L3, L3, Average)

*selectable by the circles on the left side of display

DISPLAY GAUGES 3 & 4

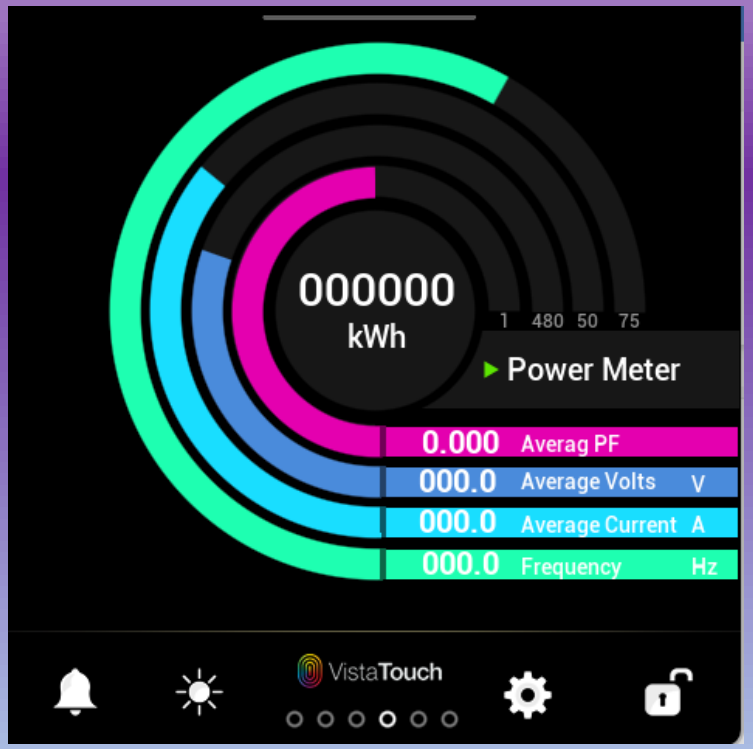
Racetrack Gauge 3



- ❑ Active Power, Power Factor, Current, Voltage (L1)
- ❑ Active Power, Power Factor, Current, Voltage (L2)
- ❑ Active Power, Power Factor, Current, Voltage (L3)

*selectable by the circles on the left side of display

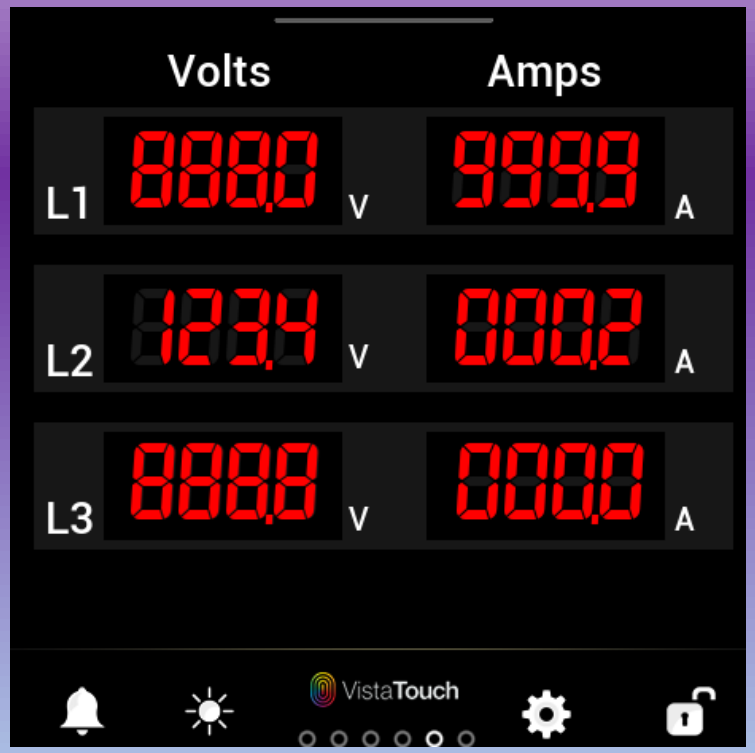
Racetrack Gauge 4



- ❑ Average Power Factor
- ❑ Average Volts
- ❑ Average Current
- ❑ Frequency

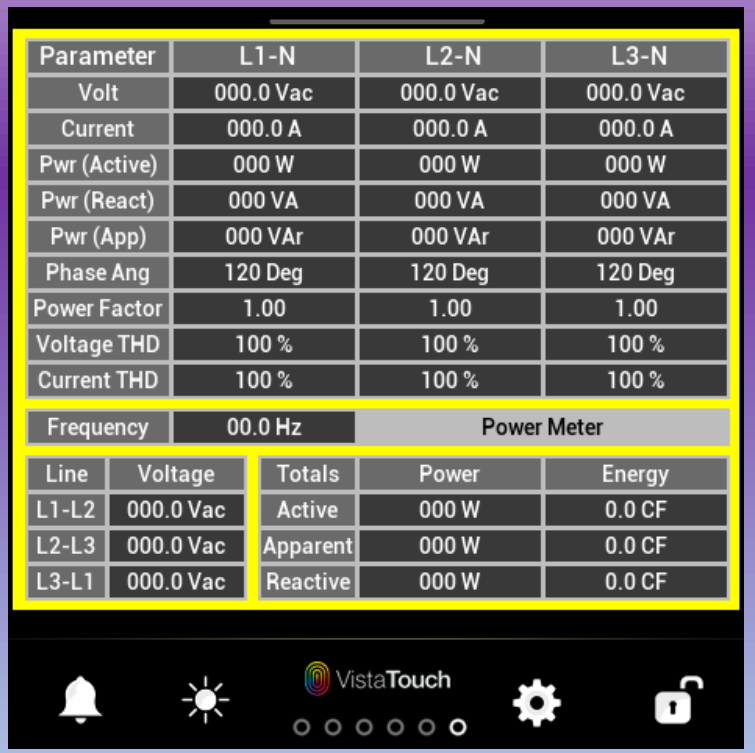
DISPLAY GAUGES 5 & 6

Gauge 5



- ❑ Voltage (L1, L2, L3)
- ❑ Current (L1, L2, L3)

Gauge 6



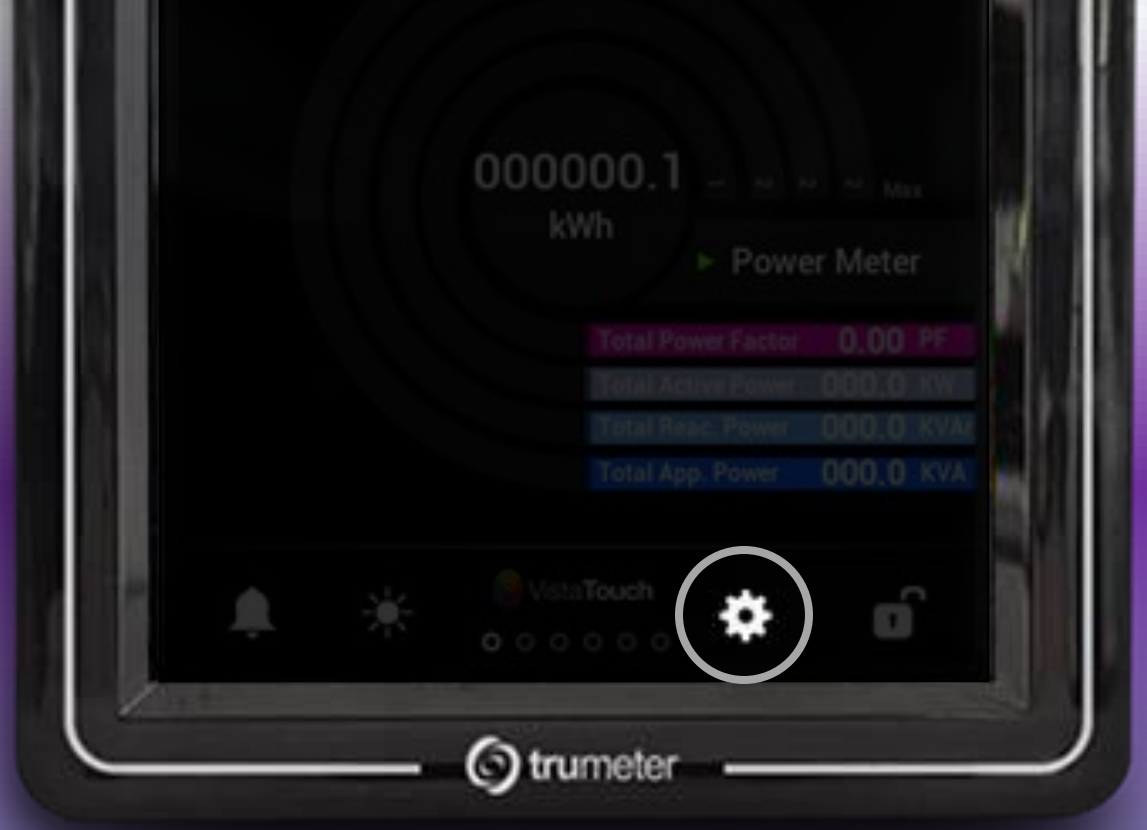
- ❑ All measured parameters

DISPLAY GAUGE 7

- ❑ Voltage MIN (L1-N, L2-N, L3-N)
- ❑ Current MIN(L1-N, L2-N, L3-N

Gauge 7

- ❑ Voltage MAX (L1-N, L2-N, L3-N)
- ❑ Current MAX (L1-N, L2-N, L3-N



VISTA TOUCH POWER METER

Click on the gear icon to open and change the settings of the specific gauge you are viewing

GAUGES 1-4 PARAMETERS

EVENTS & ALARMS - SOURCE

Source allows the selection of…

- L-L Voltage
- L-N Voltage
- Current
- Frequency
- Power Factor
- Active Power
- Apparent Power
- Reactive Power
- Active Energy
- Reactive Energy
- Apparent Energy
- Voltage THD
- Current THD
- Digital Input 1
- Digital Input 2
- Cloud Connection
- Network Connection

EVENTS & ALARMS

Source also allows the selection of…

- **Either L1:L2 or L1-N**
- **Either L2:L3 or L2-N**
- **Either L3:L1 or L3-N**
- **Instantaneous Maximum**
- **Instantaneous Minimum**
- **Instantaneous Average**
- **Total Power /Energy**

EVENT & ALARM TRIGGERS

Triggers can be set for…

- **Greater than**
- **Equal to**
- **Less than**
- **Between**
- **ON**
- **OFF**
- **Outside**

Some triggers will be greyed out, depending on input selected

EVENT & ALARM ACTIONS

Scroll down to **Actions**…

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EVENT & ALARM ACTIONS

Actions can be configured to…

- Display a message
- Set background color
- Clear or set Relay 1
- Clear or set Relay 2
- Change display brightness
- Reset Total Energy

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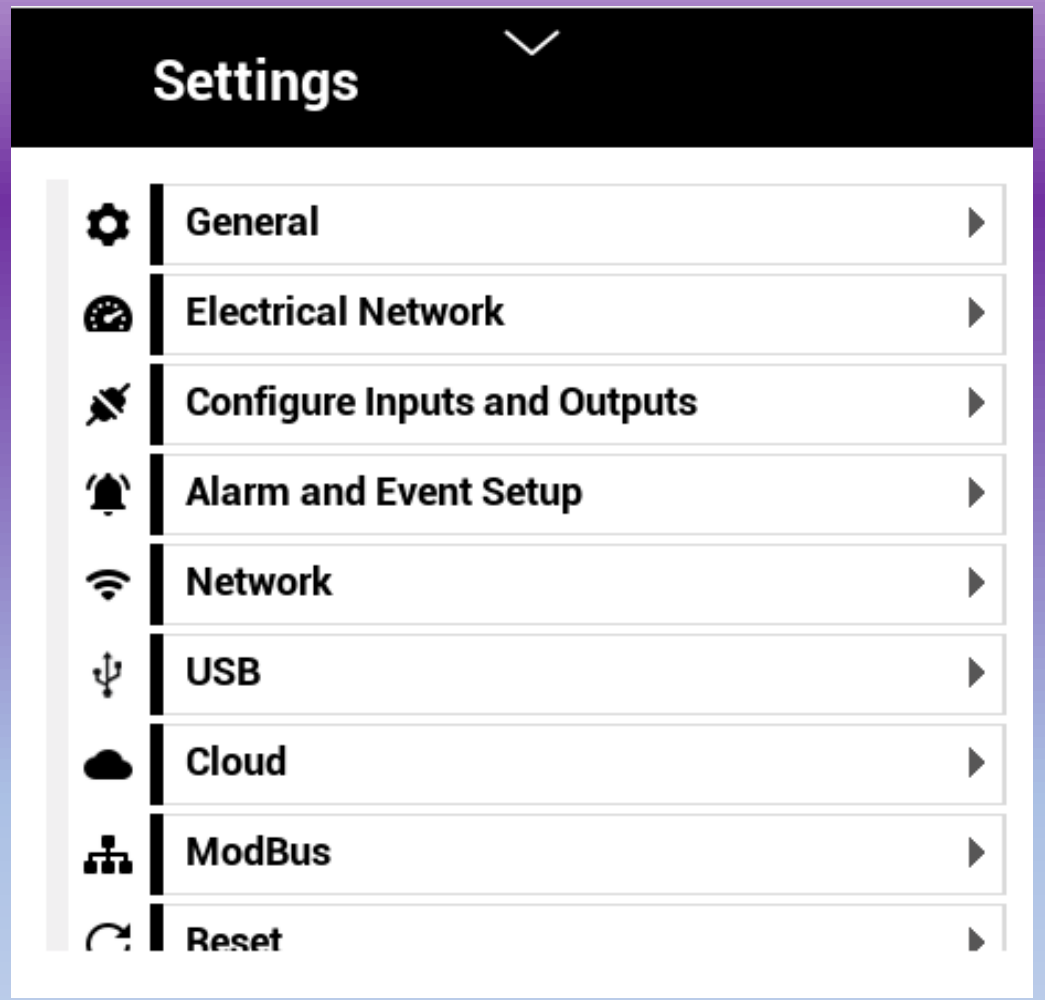
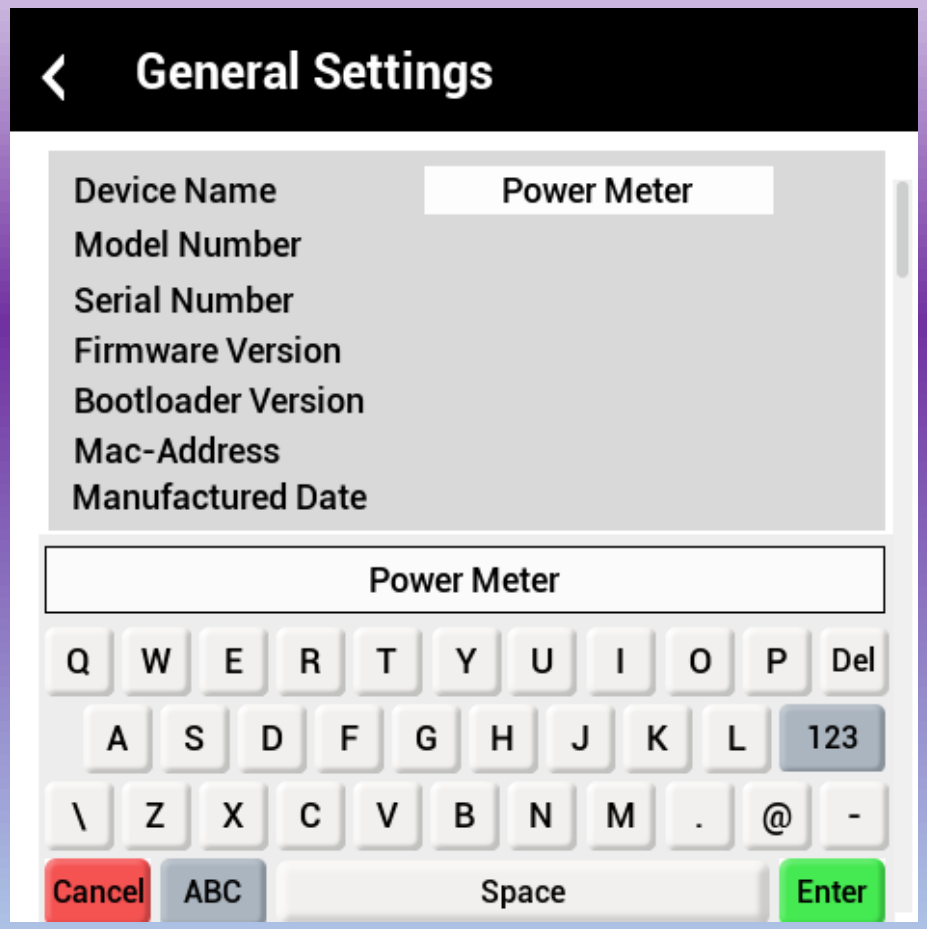
SETTINGS

Swipe up on display to get to settings

- ❑ General
- ❑ Electrical Network
- ❑ Configure Inputs and Outputs
- ❑ Alarm and Event Setup
- ❑ Network
- ❑ USB
- ❑ Cloud
- ❑ Modbus
- ❑ Reset



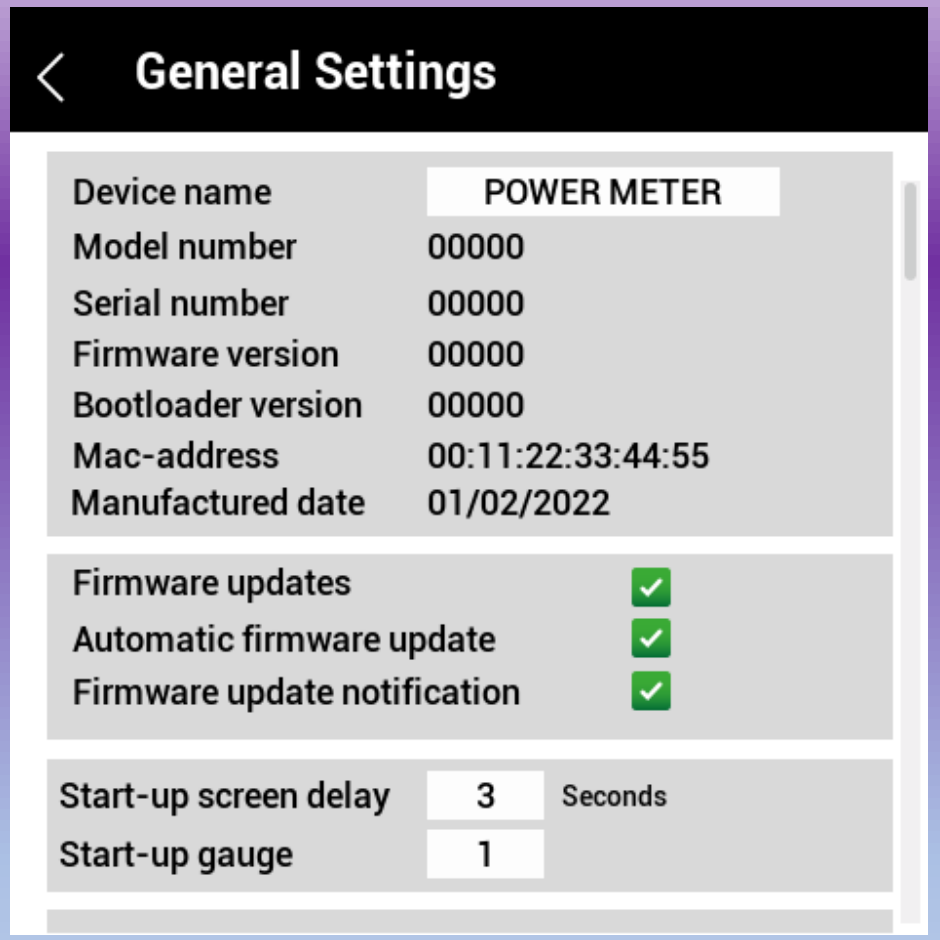
CHANGING AVAILABLE NAMES OR SETTINGS ON THE SCREEN



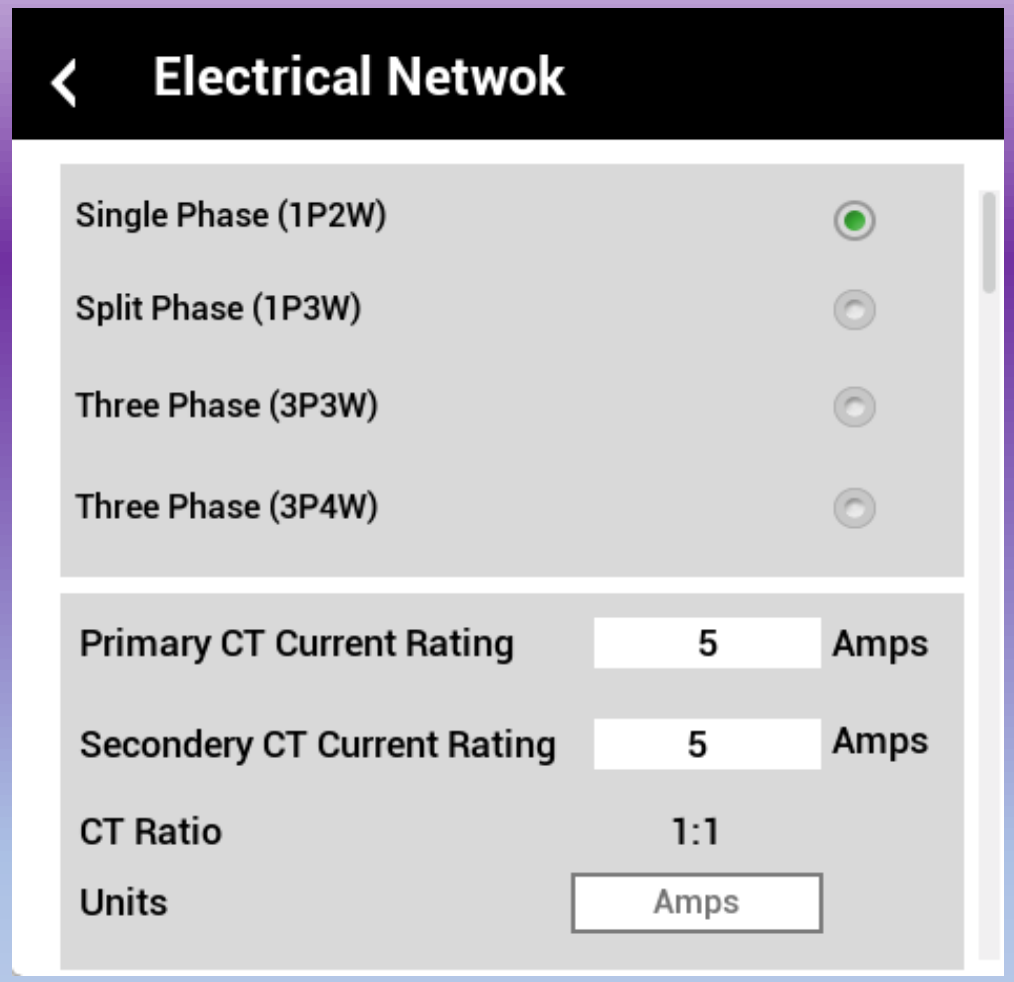
To change the settings or names, select the box that you wish to change, and a small keyboard will appear on the screen. Use the Del key to remove the current setting and then start typing your new name or setting. Hit the Enter key when finished.

GENERAL SETTINGS

- ❑ Change the Device Name
  - ✓ Name your device
- ❑ Model Number
  - ✓ Name of the model of the device i.e., VT-PWR
- ❑ Serial Number
  - ✓ Serial number of your device
- ❑ Firmware version
  - ✓ Firmware version that is currently installed
- ❑ Bootloader version
  - ✓ Bootloader version that is currently installed
- ❑ Mac-address
  - ✓ Mac-address of your device
- ❑ Manufactured date
  - ✓ Date of manufacture
- ❑ Firmware updates
  - ✓ Check to enable firmware updates
  - ✓ Uncheck to disable firmware updates
- ❑ Firmware update notifications
  - ✓ Check to enable firmware update notifications
  - ✓ uncheck to disable firmware update notifications
- ❑ Start-up screen delay (allows for a delay on the startup screen)
- ❑ Start-up gauge (allows the user to set the gauge to be displayed on startup)

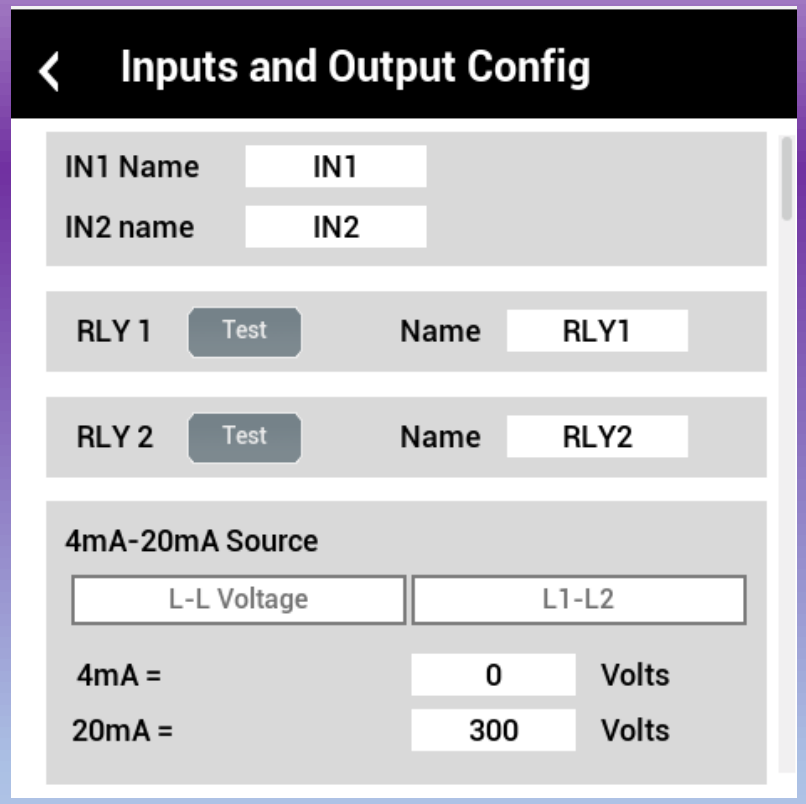


ELECTRICAL NETWORK SETTINGS



- ❑ Network Type
  - ✓ Single Phase (1P2W)
  - ✓ Split Phase (1P3W)
  - ✓ Three Phase (3P3W)
  - ✓ Three Phase (3P4W)
- ❑ Primary CT Current Rating
  - ✓ This will be the max rating of the CT
- ❑ Secondary CT Current Rating (5A Max)
  - ✓ This is the secondary rating of the CT and 5A is recommended when selecting a CT
- ❑ Units (annunciator)

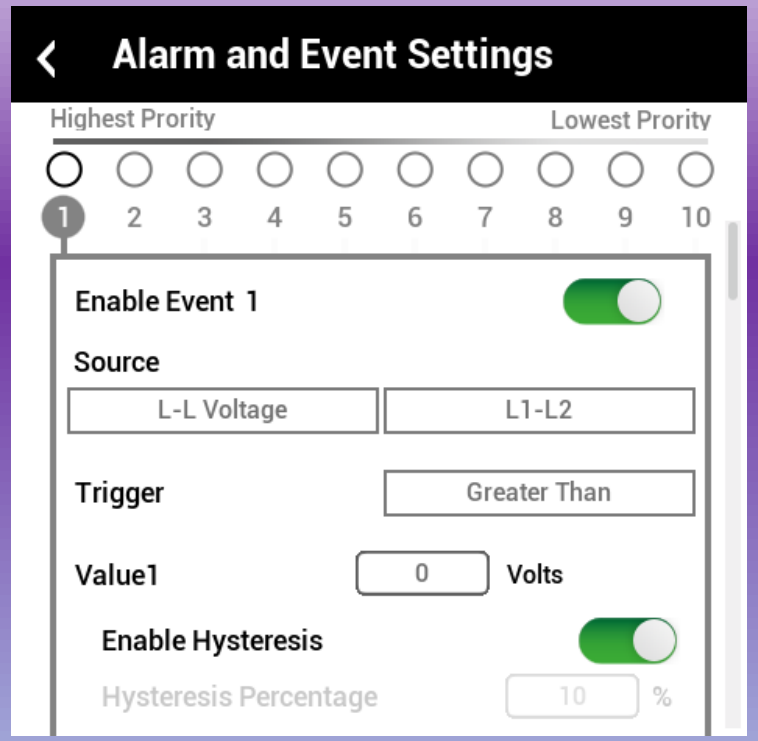
INPUTS AND OUTPUTS CONFIGURATION SETTINGS



- ❑ **IN1 & IN2 name**
  - ✓ **Name your inputs**
- ❑ **RLY 1 & RLY 2**
  - ✓ **Name your relays**
- ❑ **Select your 4-20mA Output Source**
  - ✓ **Set your value for 4mA out (usually set at zero)**
  - ✓ **Set your value for 20ma out (usually your max value)**

ALARM AND EVENTS SETTINGS

- L-L Voltage
- L-N Voltage
- Current
- Frequency
- Power Factor
- Active Power
- Apparent Power
- Reactive Power
- Active Energy
- Reactive Energy
- Apparent Energy
- Voltage THD
- Current THD
- Digital Input 1
- Digital Input 2
- Cloud Connection
- Network Connection



- Either L1:L2 or L1-N
- Either L2:L3 or L2-N
- Either L3:L1 or L3-N
- Instantaneous Maximum
- Instantaneous Minimum
- Instantaneous Average
- Total Power /Energy

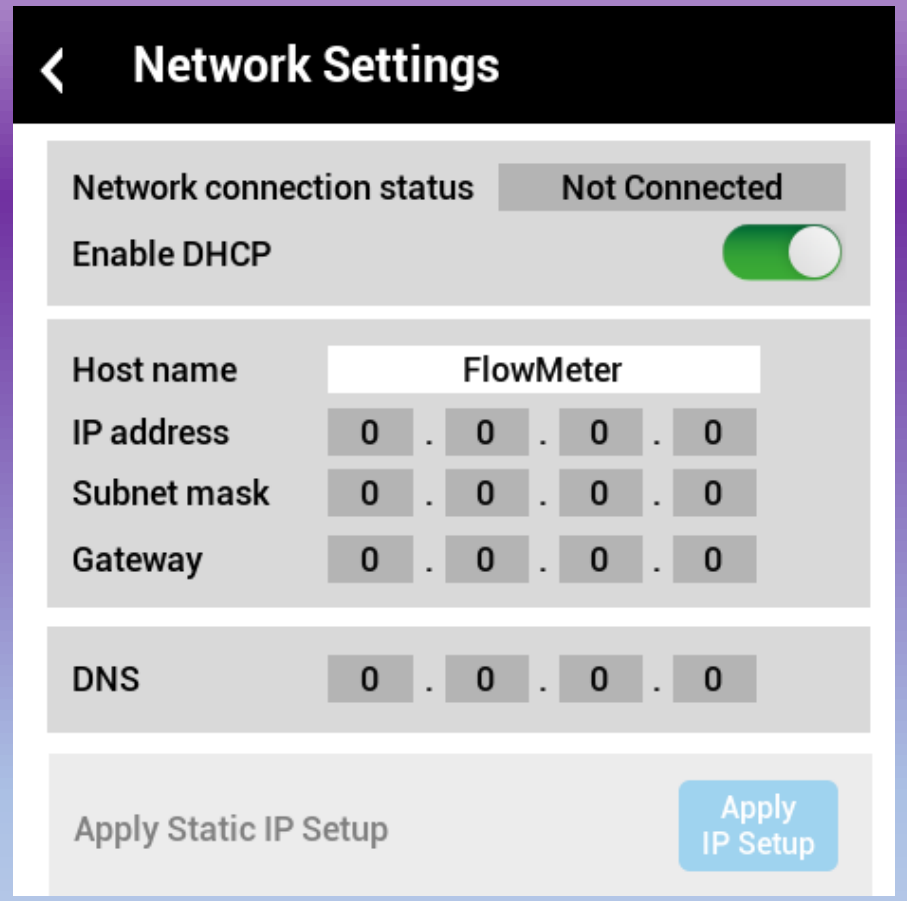
❑ Source is selected by 2 variables

✓ Select the source parameter on the left that you want to monitor

✓ Then select the parameter on the right that you wish to monitor.

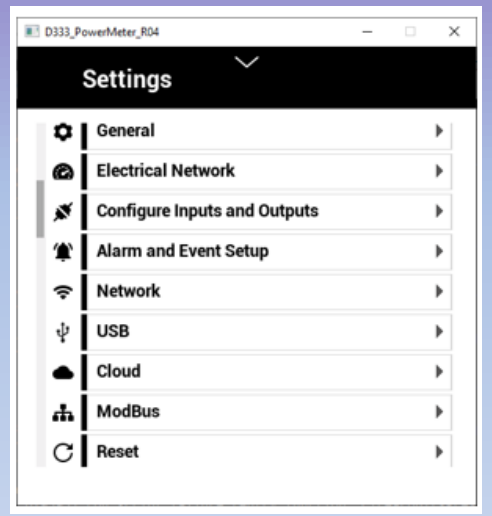
NETWORK SETTINGS

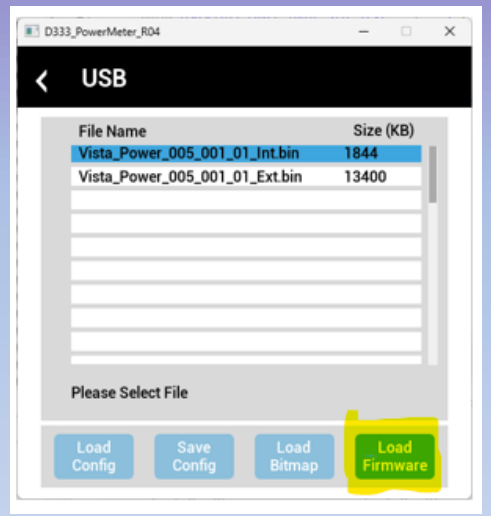
- ❑ Network Connection Status
  - ✓ Connected
  - ✓ Not Connected
- ❑ Enable DHCP
  - ✓ Allows the device to pick up IP address, Subnet mask and Gateway automatically
  - ✓ Unselect if you wish to enter the parameters manually (static)
- ❑ Shows the current DNS address



USB UPDATE TO THE LATEST FIRMWARE

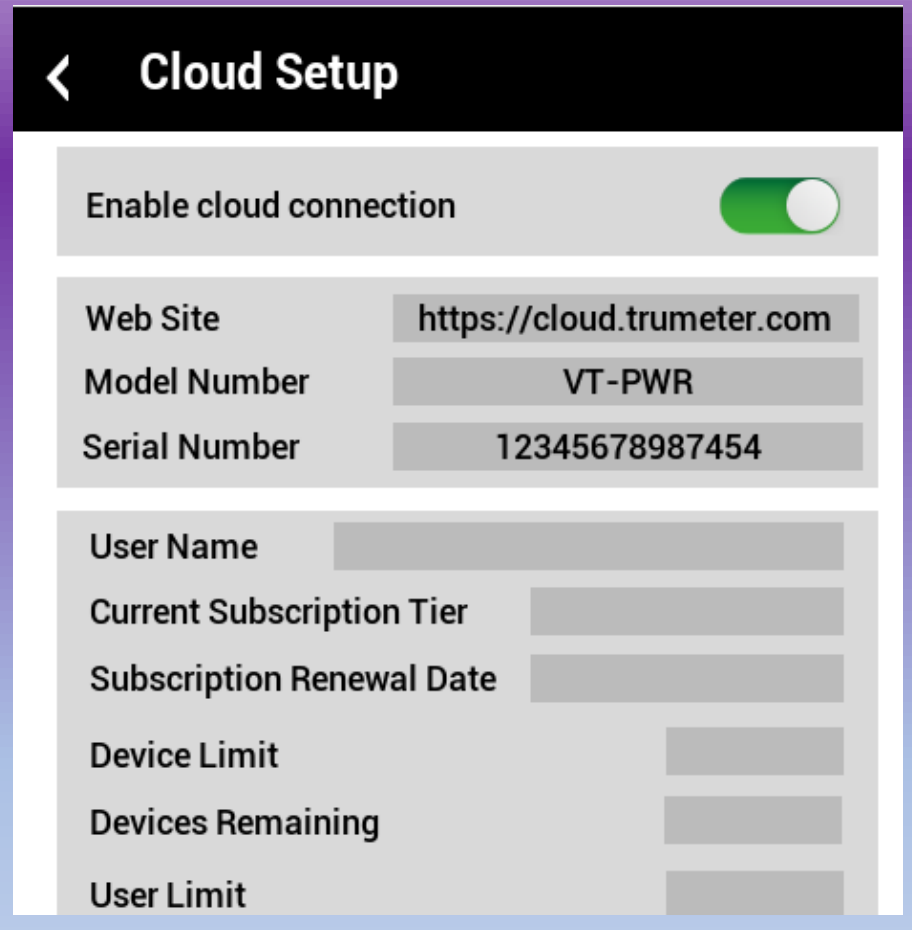
- ❑ Download the latest firmware from https://www.trumeter.com/resources/vt-software-download/
- ❑ Unzip the file and copy both .bin files to a USB drive. (The files must be in the root folder.)
- ❑ Plug the USB drive into the Vista Touch meter.
- ❑ On the device, swipe up on the display to access the main “Settings” screen.
- ❑ Select the “USB” option.
- ❑ Select one of the files and “Load Firmware”.
- ❑ Select “Yes” to update the firmware.





CLOUD SETUP

- ❑ Enable Cloud Connection
  - ✓ Slider color green is enabled (default)
- ❑ Website
  - ✓ Shows the website address of the Trumeter Cloud
- ❑ Serial Number
  - ✓ Serial number of the Vista Touch Product
  - ✓ Used to register your Vista Touch Product on the Trumeter Cloud
- ❑ Username
  - ✓ Shows the username that you setup on the Trumeter Cloud
- ❑ Current Subscription Tier
  - ✓ Shows the tier of the Trumeter Cloud that you are subscribed to
- ❑ Subscription Renewal Date
  - ✓ Shows the Renewal Date for your subscription to the Trumeter Cloud
- ❑ Device Limit
  - ✓ Shows the number of devices that you can monitor based on your subscription tier of the Trumeter Cloud
- ❑ Devices Remaining
  - ✓ Shows you how many more devices that you can add to the cloud based on the device limit
- ❑ User Limit
  - ✓ Shows the number of user accounts that you have based on the subscription tier of the Trumeter Cloud



MODBUS SETUP

Modbus TCP Setup

- **Modbus Port – the port that the Vista Touch Meter will communicate with your system via TCP (502)**
- **Modbus Timeout – the amount of time the master will attempt to send a message.**
- **Please see the link below for step-by-step instructions to setup Modbus TCP.**

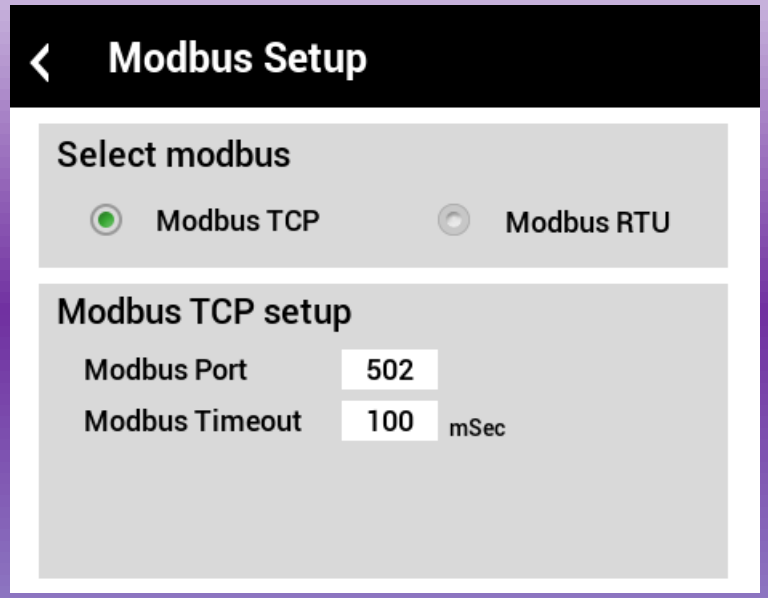
Please see link below for step-by-step instructions to setup TCP communication on your preferred network.

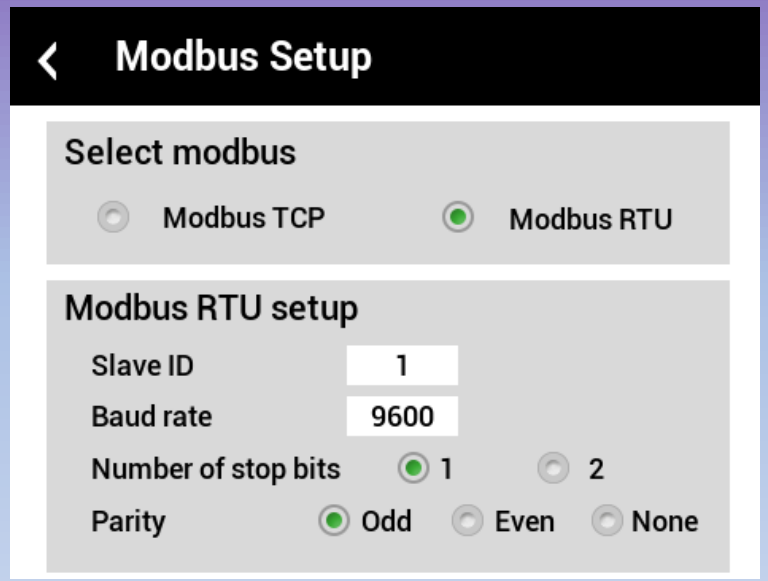
https://trumeter.helpscoutdocs.com/article/311-how-to-set-up-network-vista-touch-series

Modbus RTU Setup

- **Slave ID - the address of the device, it can take a value from 0 to 247**
- **Baud Rate – the speed of the data transmission**
- **Number of stop bits**
- **Allows time for the reception and processing of the current byte and preparation for the next byte**
- **Parity**
  - **Odd, Even or None**

*** Serial transmission setup requires the speed, the number of data bits, the parity, and the number of stop bits, which must match the device on the other side.**





DATA LOGGING SETUP

Data Logging Setup

- On the device, swipe up on the display to access the main “Settings” screen.
- Select the “Data Logging” option.

Start button

- Select the start button and a request to enter data log file name will appear.

Stop button

- Select the stop button to stop the data logging session.

Date/Time button

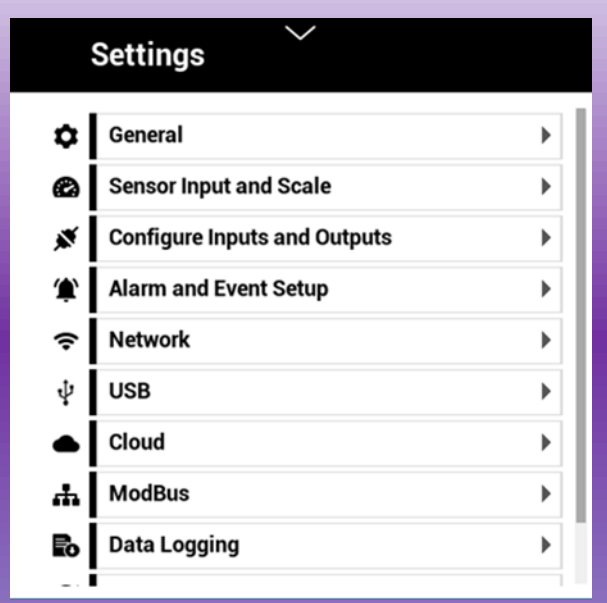
- Select the Date/Time button to enter or change the date and time.

Log speed

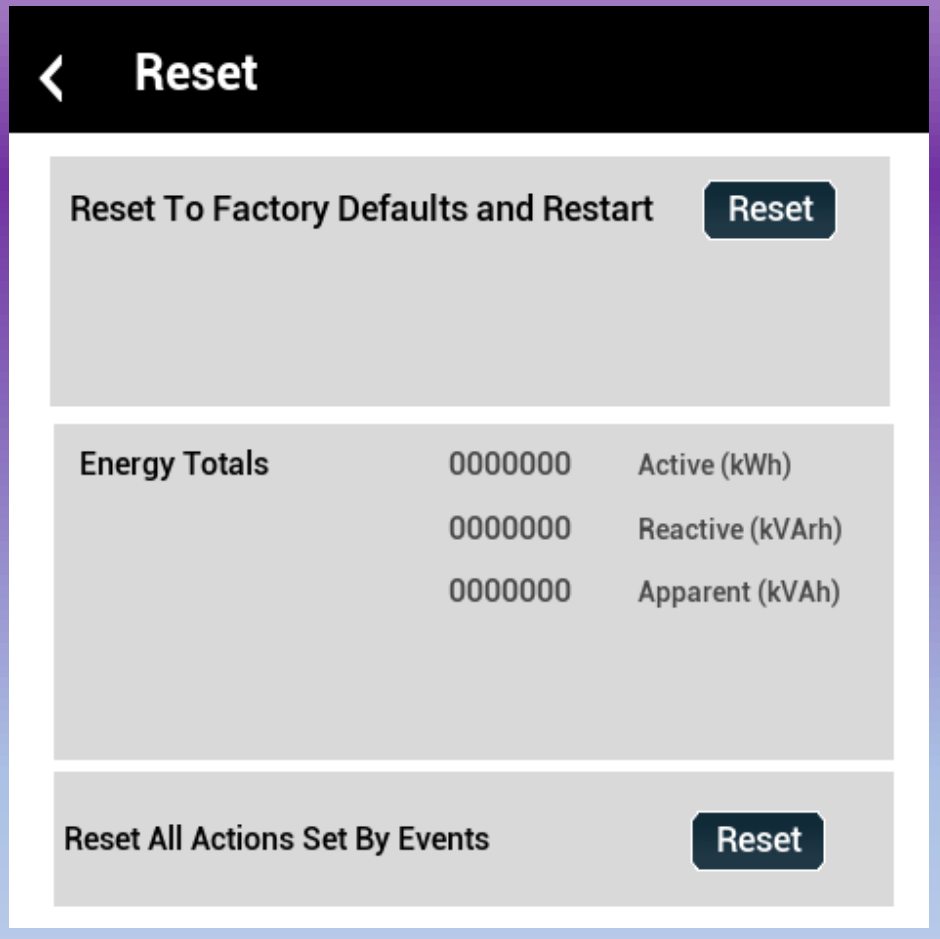
- Select the Log speed button to change the logging speed period. (Choose a range from 10 to 60 seconds)

Please click the link below for step-by-step instructions to setup datalogging.

https://trumeter.helpscoutdocs.com/article/274-data-logging



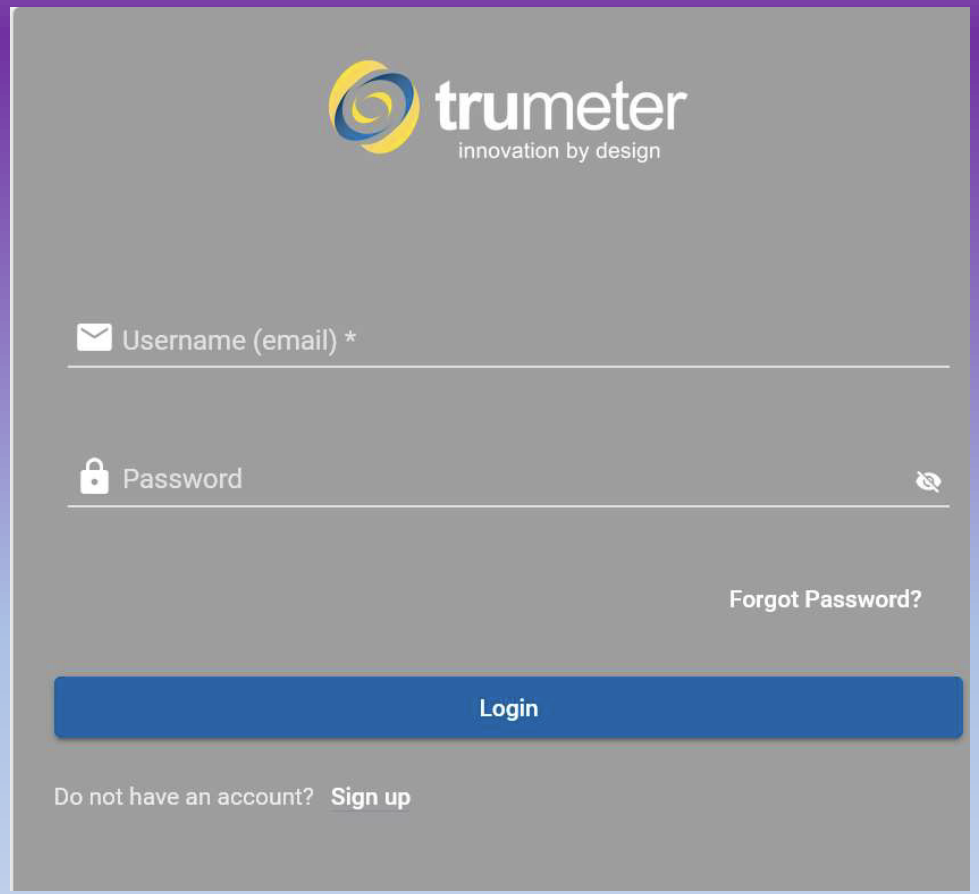
RESET



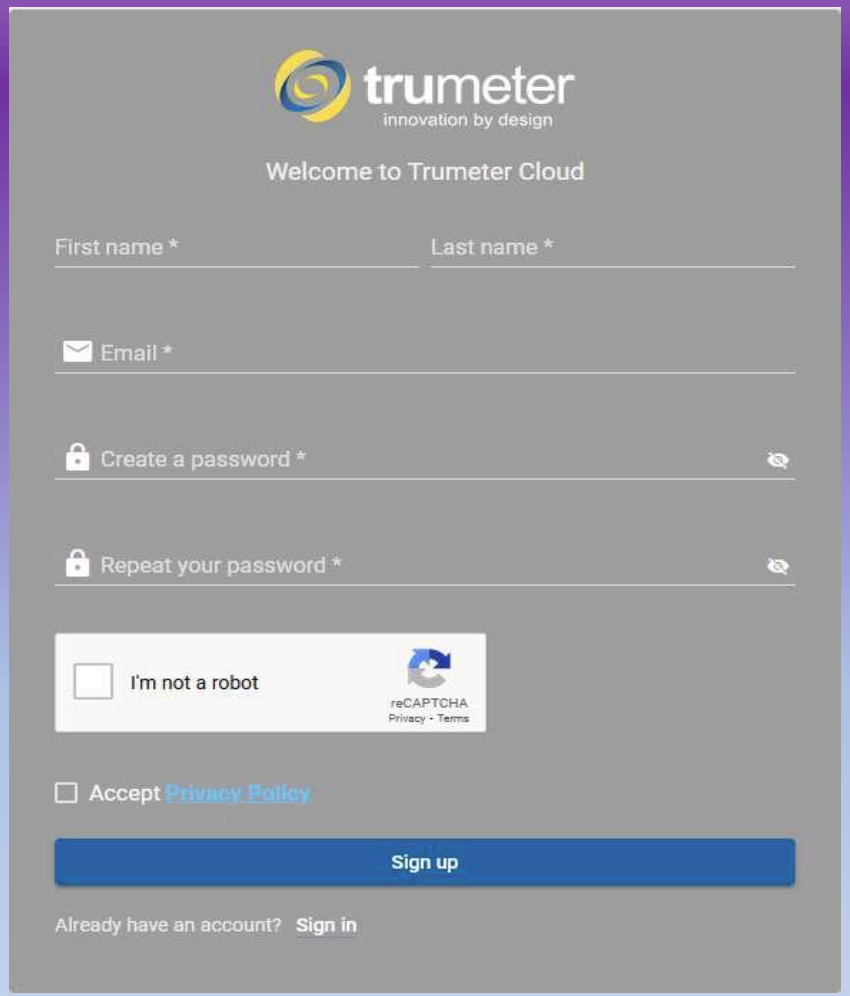
- ❑ Reset to Factory Defaults and Restart
  - ✓ Resets all the settings within the Vista Touch Power meter to the defaults and restarts the meter
- ❑ De-Register Cloud
  - ✓ Removes the device from the Trumeter Cloud
- ❑ Reset Energy Totals
  - ✓ Resets the Active Power (kWh) totalizer
  - ✓ Resets the Reactive Power (kVArh) totalizer
  - ✓ Resets the Apparent Power (kVAh) totalizer

CREATE AN ACCOUNT ON THE TRUMETER CLOUD

- ✓ Navigate to https://cloud.trumeter.com
- ✓ Click the Sign-Up link at the bottom of the page



- ✓ On the Sign-Up page, complete all required information



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