
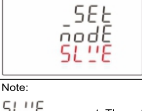


PECTECH

PEC-EM3-ETH Series

1. TCP meter setting:

Setting gateway mode	
	<p>The gateway mode supported includes the five types: slave and master, default is slave.</p> <p>Press button 4 for 3 second to enter the setting state, and the character of the setting becomes the flashing state.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to exit the setting menu and return to the previous setting screen.</p>
	<p>Click button 2 or button 3 to select the gateway mode.</p> <p>Press button 4 for 3 second to confirm the setting. The meter will save the setting value and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the setting parameters.</p>
<p>Note:</p> <p>SLAVE represent: The gateway mode is slave. In this mode, the TCP port of the meter can only read its own data.</p> <p>MASTER represent: The gateway mode is master. In this mode, the TCP port of the meter can read its own data, or it can read modbus devices connected to the RS485 port of the meter.</p>	

2. Set ethernet class parameters



The ethernet class parameters include: DHCP, IP address, subnet mask, default gateway, IP port and save ethernet parameter.

1. After entering the "Parameter Setting Menu" screen, select the setting screen (as shown in the figure below), and then press button 4 for 3 second to enter the ethernet class parameter setting screen.



Note: After completing the Ethernet parameter settings, you need to enter the parameter saving setting menu and perform the parameter saving operation. Otherwise, the set parameters will not be saved to the meter.




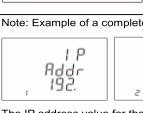
2. Setting DHCP

	<p>The DHCP function can be set to on or off, default is off.</p> <p>Press button 4 for 3 second to enter the setting state, and the character of the setting becomes the flashing state.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to exit the setting menu and return to the previous setting screen.</p>
	<p>Click button 2 or button 3 to select the DHCP function.</p> <p>Press button 4 for 3 second to confirm the setting. The meter will save the setting value and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the setting parameters.</p>

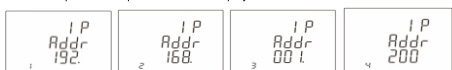
Note: DHCP is dynamic host configuration protocol.

If the DHCP is set on, the IP address of the instrument will be automatically assigned by devices such as routers; If the DHCP is set off, the IP address of the instrument needs to be manually set.

3. Setting IP address




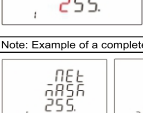
	<p>Setting menu for IP address.</p> <p>Press button 4 for 3 second to enter the screen for view IP address. Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to return to the previous level setup menu.</p>
	<p>The IP address display screen.</p> <p>A complete IP address is displayed on four screens to display the values of each field separately.</p> <p>The number in the bottom left corner of the screen represents the field number of the IP address currently displayed.</p>
	<p>Press button 4 for 3 second to enter the setting state, and the digit of the setting becomes the flashing state.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to return to the previous level setup menu.</p>
	<p>Click button 2 or button 3 to increase or decrease the number of set bits.</p> <p>Click button 4 can be moved the set bits to the right.</p> <p>Press button 4 for 3 second to confirm the setting. The power meter will save the setting value and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the setting parameters.</p>

Note: Example of a complete IP address display screen.



The IP address value for the example is 192.168.1.200

4. Setting subnet mask




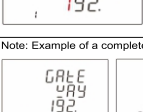
	<p>Setting menu for subnet mask.</p> <p>Press button 4 for 3 second to enter the screen for view subnet mask.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to return to the previous level setup menu.</p>
	<p>The subnet mask display screen.</p> <p>A complete subnet mask is displayed on four screens to display the values of each field separately.</p> <p>The number in the bottom left corner of the screen represents the field number of the subnet mask currently displayed.</p>
	<p>Press button 4 for 3 second to enter the setting state, and the digit of the setting becomes the flashing state.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to return to the previous level setup menu.</p>
	<p>Click button 2 or button 3 to increase or decrease the number of set bits.</p> <p>Click button 4 can be moved the set bits to the right.</p> <p>Press button 4 for 3 second to confirm the setting. The power meter will save the setting value and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the setting parameters.</p>

Note: Example of a complete subnet mask display screen.



The subnet mask value for the example is 255.255.255.0

5. Setting default gateway



	<p>Setting menu for default gateway.</p> <p>Press button 4 for 3 second to enter the screen for view default gateway.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to return to the previous level setup menu.</p>
	<p>The default gateway display screen.</p> <p>A complete default gateway is displayed on four screens to display the values of each field separately.</p> <p>The number in the bottom left corner of the screen represents the field number of the default gateway currently displayed.</p>
	<p>Press button 4 for 3 second to enter the setting state, and the digit of the setting becomes the flashing state.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to return to the previous level setup menu.</p>
	<p>Click button 2 or button 3 to increase or decrease the number of set bits.</p> <p>Click button 4 can be moved the set bits to the right.</p> <p>Press button 4 for 3 second to confirm the setting. The power meter will save the setting value and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the setting parameters.</p>

Note: Example of a complete default gateway display screen.





The default gateway value for the example is 192.168.1.1

6. Setting IP port

	<p>The IP port setting range: 1 to 9999, default is 502.</p> <p>Press button 4 for 3 second to enter the setting state, and the digit of the setting becomes the flashing state.</p> <p>Click button 2 or button 3 to scroll the page and select the next setting interface.</p> <p>Click button 1 to exit the setting menu and return to the previous setting screen.</p>
	<p>Click button 2 or button 3 to increase or decrease the number of set bits.</p> <p>Click button 4 can be moved the set bits to the right.</p> <p>Press button 4 for 3 second to confirm the setting. The meter will save the setting value and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the setting parameters.</p>

7. Saving the ethernet parameters

	<p>The ethernet parameter save setting menu for the meter.</p> <p>Press button 4 for 3 second to enter the setting state, and the character of the setting becomes the flashing state.</p> <p>Click button 2 to scroll the page and select the next setting interface.</p> <p>Click button 1 to exit the setting menu and return to the previous setting screen.</p>
	<p>Press button 4 for 3 second to confirm the setting. The meter will save the ethernet parameters and exit the setting state.</p> <p>Click button 1 to exit the setting state without saving the ethernet parameters.</p>

Note: After setting the Ethernet parameters, it is necessary to perform the parameter saving setting operation in this menu in order to save the set parameters to the meter. If the saved parameters are not set, the set ethernet parameters will not be saved