

# TSAQ-CVM30: Software Manual

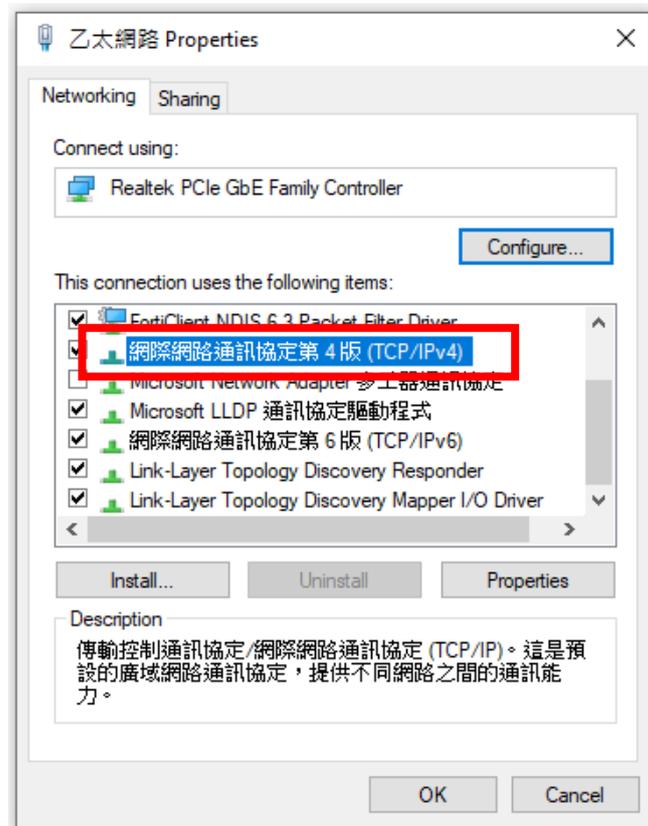
## Cell Voltage Monitor, CVM



TECHNICAL DATA	HEPHAS –TSAQ-CVM30
Measurement channels	30 Channel
Measurement range	-5V to 5V
Resolution	16-bit ( $\pm 154\mu\text{V}$ )
Accuracy	$\pm 1\text{mV}$ (0.02%)
Isolation	1KV
Common mode rejection	$\pm 80\text{V}$
Sample rate	1Ksa/s
Sample speed	Max 100Hz
Input voltage	DC12V
Dimensions (L x W x H)	161mm x 123mm x 26mm
Interface	1000/100M Ethernet CAN Bus Optocoupler Output x2

# TSAQ-CVM30

## Step1: Choose TCP/IPv4



## Step2: Setting IP Address

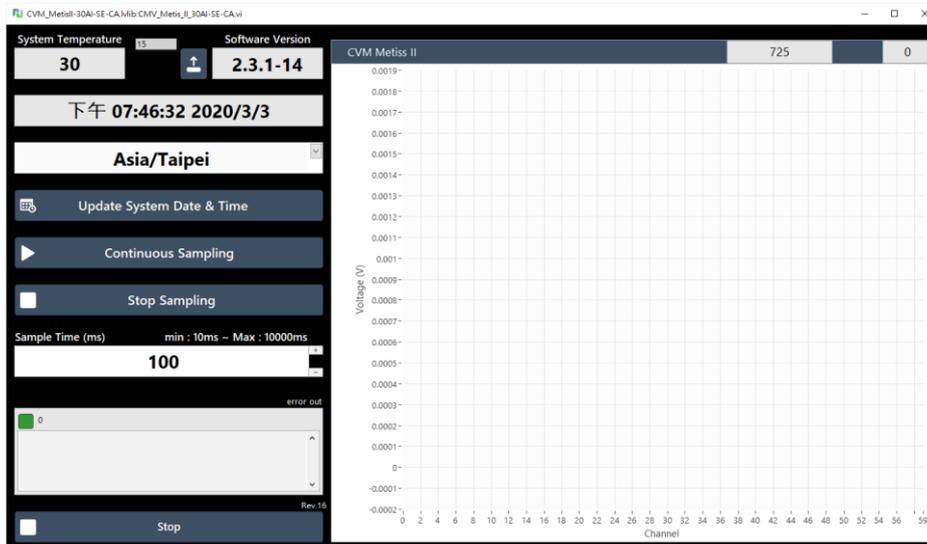
IP address: 192.168.2.240

Subnet mask: 255.255.255.0



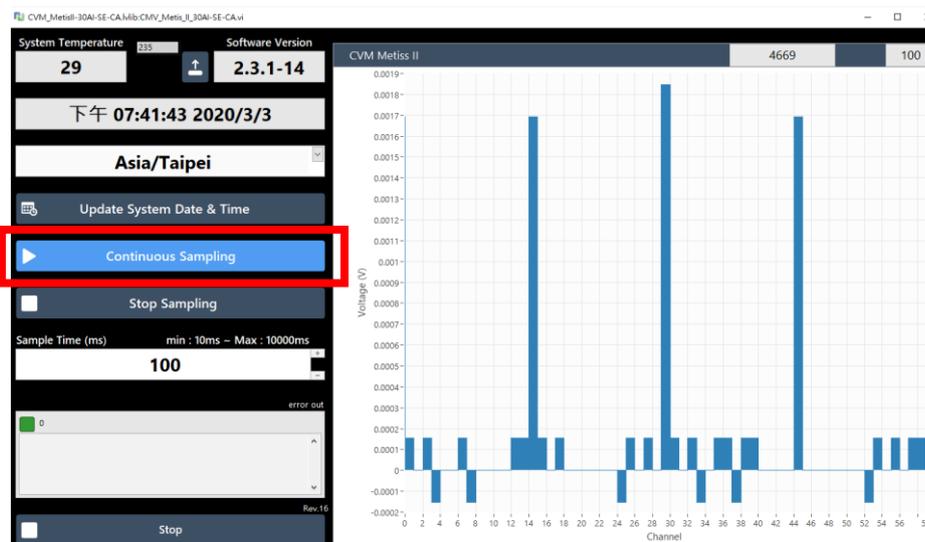
# TSAQ-CVM30

## Step3: Launch TSAQ-CVM30 Software



## Step4: Capture Voltage Value

- Click on “Continuous Sampling” to save the voltage data.
- The data file (year-month-day\_hour-minute-second.csv) will be saved in the same folder as the executable file.



## Step5: Stop Capturing Voltage Value

- Click on “Stop Sampling” to stop capturing the voltage data.

# TSAQ-CVM30

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## Error:

When CVM appears Error, please check the number in “error out”.

- If the number is **1, 66, 1566**, please check the items below:

1. The CVM's power is turned on?

2. The Power cable connection and Network cable connection are great?

3. IP address is correct?

- If the number is **56**, please inform Hephas.

