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 (±154∪V)		
Accuracy	±1mV (0.02%)		
Isolation	1KV		
Common mode rejection	±80V		
Sample rate	1KSa/s		
Sample speed	Max 100Hz		
Input voltage	DC12V		
Dimensions (L x W x H)	161mm × 123mm × 26mm		
Interface	1000/100M Ethernet		
	CAN Bus		
	Optocoupler Output x2		

Step1: Choose TCP/IPv4



Step2: Setting IP Address

	/ / / / / / / / / / / / / / / / / / /
IP address: 192.168.2.240	Ing陳加姆波通前106人上第 4 元 (ICP/IPV4) Properties 入 General
Subnet mask: 255.255.255.0	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
	 Obtain an IP address automatically ● Use the following IP address: IP address: I92 . 168 . 2 . 240 Subnet mask: \$255 . 255 . 0 Default gateway: . Obtain DNS server address automatically ● Use the following DNS server addresses: Preferred DNS server: . Alternate DNS server: . Validate settings upon exit
	OK Cancel

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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.

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.

🕲 CVM_MetisII-30AI-SE-CA.lvlib:CMV_Metis_II_30AI-SE-CA.vi			- 🗆 ×
File Edit Operate Tools Window Help			-OVM
\$			METI
System Temperature 84 Software Version 0 1 2.3.1-14	CVM Metiss II	3228	0
下午 04:00:00 1970/1/1	0.0017-		
Asia/Taipei	0.0015-		
🖽 Update System Date & Time	0.0013 - 0.0012 -		
Continuous Sampling	0.001- 0.001- <u>2</u> 0.0009-		
Stop Sampling	0.0008- 0.0007-		
Sample Time (ms) min : 10ms ~ Max : 10000ms	0.0006 -		
error out	0.0004-		
66 TCP Read in CVM_MetisII-30AI-SE-CA.lvlib:Main_WriteReadCommand.vi- > CVM_MetisII-30AI-SE-CA.lvlib:Read System Temperature vi- > CVM_MetisII-30AI-SE-CA.lvlib:Read System Temperature vi- > CVM_MetisII-30AI-SE-CA.lvlib:CMV_Metis_II_30AI-SE-CA.vi V	0.0002- 0.0001- 0- -0.0001-		
Rev.16	-0.0002-, , , , , , , , , , , , , , , , , , ,	32 34 36 38 40 42 44 46 48 50	52 54 56 59