

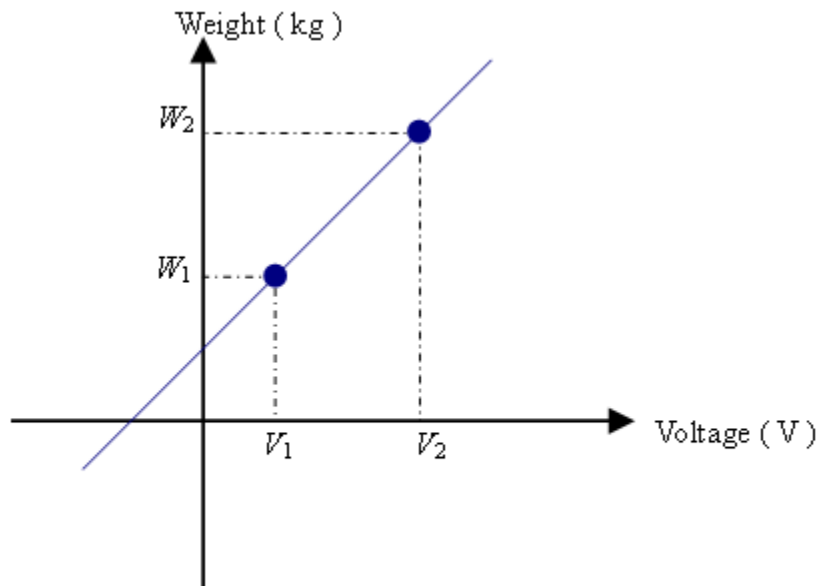


EZ DATA LOGGER: Frequently Asked Questions

Q: How do I display the analog values in another unit, for example kg?

A: Set Gain and Offset can scale the values to any unit you want. To obtain the exact Gain and Offset, you have to get two values first, and then use following method to get the final result.

Set "Gain" and "Offset" in "Group setup" .



$$\text{Gain} = \frac{W_2 - W_1}{V_2 - V_1} \quad \text{Offset} = W_1 - \text{Gain} \times V_1$$

Q: How do I active the Modbus driver?

A: When you install Modbus drivers, you have to connect at least one ICPDAS Modbus device to active all the Modbus drivers. Then the Modbus drivers can access other Modbus devices, such like PLC.....

The following ICPDAS device can be connected to active all the Modbus driver.

[M7000 serial modules](#), [I-7188EX-MTCP](#), [ET-6000](#),
[ISaGRAFcontrollers](#) ([I-8417/8817/8437/8837](#), [I-7188EG](#), [I-7188XG](#), [Wincon- 8x37](#))



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Q: What should I do to support remote SQL Server?

A: EZ Data Logger can log data to a remote SQL Server. You have to enable remote connection on SQL Server. Please refer to the document for the detail :[EZDataLogger_SQLServer](#)

Q: How do I connect to the M2M devices?

[M2M \(Machine to Machine\)](#) is a 3G/GSM wireless solution. EZ Data Logger can get the M2M devices' data from the software "RTU Center". You have to configure RTU Center correctly. Please refer to the document for the detail: [EZDataLogger_G4500](#)

Q: I am having difficulties opening the EZ Data Logger program, despite having the latest updates to Windows.

A: This might be an OCX error. To remedy this, perform the following:

1. Right click EZ, and choose "Run as administrator" once.
2. If it does not work, (you must be logged in as administrator) In the start bar, go to all programs, then accessories, then select run. "regsvr32 c:\icpdas\EZ_Data_Logger\toggle.ocx" to once a find the .exe file, double click it to register the component. And you must restart your PC after doing this.

Q: How can I use Engineering Unit and HEX unit on EZ Data Logger ?

However, to connect to the EZ Data Logger, it is not necessary to set to engineering unit. Hex unit should be OK to connect to the EZ Data Logger too.

In engineering format, the temperature is data * 0.01.

For example, data=1234, temperature=1234*0.01=12.34

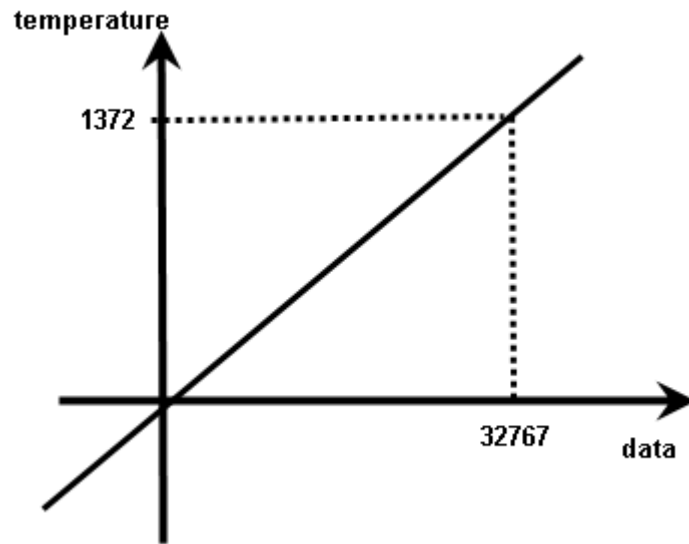
In hex format, the temperature needs to be converted by gain and offset.

For example, K type data 32767 is mapping to temperature 1372.



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The equation is

$$\text{Temperature} = \text{Gain} * \text{Data} + \text{Offset}$$

Because the data 0 is mapping to temperature 0, so the offset is 0.

$$1372 = \text{Gain} * 32767 + 0$$

$$\text{Gain} = 1372 / 32767 = 0.0418713$$

You can set the gain in EZ Data Logger, or calculate the gain and offset by 2 points.

AI value is the read data . Display value is temperature.

0=>0

32767=>1372



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If someone uses engineering format by another case, that is easier.

The gain is 0.01.

Display value(temperature) = 0.01 * AI value(read data)