

1. Is USB memory usable for the Datum-Y?

No. USB memory is used for copying the internal memory, SD card and CF card. Therefore, it is not usable for the logger which stores the data in real time basis in accordance with the measurement interval.

2. Is there any restriction in terminal blocks when it is used for temperature measurements by RTD (PT100, JPT100)?

Please be sure to use the screw-in type terminal blocks (Models 95052, 95053). Please also note that the connection to M3 screw type terminal block is not available.

3. What is the maximum capacity of SD memory card?

Presently, it is up to 1GB. For details, please contact "SanDisk Extreme III SD: 1GB".

4. What is the maximum capacity of CF card?

Presently, we recommend the CF card of SanDisk Corporation whose capacity is up to 2GB. For details, please contact, "SanDisk Extreme III Compact Flash: 2GB and/or SanDisk Ultra II Compact Flash: 1GB, 2GB

5. What are the major functions of D-Tool (software) being provided free?

The Major functions of D – Tool are summarized as follows.

- * Waveform display of measured binary data.
- * Shows data in waveform and performs CSV conversion.
(CSV file can be read by commercially-supplied spreadsheet).
- * Settings and creation of setting files.
- * Datum-Y setting through communication.

There is no transferring function of measured value to PC

Please use Model XL900 Datum-Logger application software which is available separately.

6. How is the logging data saved?

The Logging data could be saved either by binary or ASCII. We usually recommend binary because the stored data could be saved and D-Tool, free software, enables it to be displayed. Stored data in ASCII could be used directly as an Excel data.

7. How do I read the binary data by Excel?

Convert from binary to CSV form by means of D-Tool being provided. In addition to the entire area conversion, a certain specific area conversion by cursor is also available. The Instruction manual for D-Tool explains the detailed conversion procedures.

8. When the data reaches it's full capacity of storage on one media, is the storage automatically transferred to other media once one media becomes full?

It deletes the oldest file and continues to save the data. If using internal memory, it starts to save the data in the back-up memory; once back-up memory becomes full, saving is stopped. Logging remains to work.

9. How is the MAC address realized?

In a free running display, select by pressing key then press SELECT key so that MAC address is displayed as the hardware information.

10. Is it possible to increase the measuring channels more than 16?

Analog input is max. 16 channels. As XL120 series meets ModBus protocol (RTU or ASCII), any equipment which meets ModBus will be able to collect max 32 measuring items in addition to analog input without programming. In other words, there are 32 communication channels available.

11. Minimum measurement interval for 8-channel and 16-channel are 100mS and 200mS respectively. Is the measurement interval changed simply by changing the terminal blocks?

Datum-Y is designed to recognize automatically so that the sampling speed will also be changed automatically in accordance with the terminal block changes.

12. Purchased 8 channel terminal block type Datum-Y. Is it possible to change it into 16 channel type?

It is recommended to purchase 16 channel terminal block alone and change it with the current 8 channel type. No resetting to the main unit is required thanks to the automatic recognition design.

13. What will be the merits in using Model 93039 optional stand?

Screwed wall mounting and DIN rail mounting are available. Supports tilted installation on the desk top which enables to see the display easier. Mounting to the stand with rubber boot is also available.

14. How to release auto power off function?

It is not necessarily the auto power off function, but the unit is designed to turn off the display in a certain time of period just for energy save purpose. Unless the time is set, the unit works with no such function. The setting is available in the following manner, (setting) → (display setting) → (LCD setting) → (backlight auto off) , then the time to (OFF) .

15. Is Model 94009 lithium ion battery commonly used for old models and new models?

Yes. It is commonly used for all Datum-Y.