1. Quick Start
   1. Equipment Configuration
      1. Device connection



Fig Front panel of KV-8000

[Equipment list]

・PC

・CPU unit: KV-8000

・Communication unit: KV-XL202

・Power unit: CA-U4

・Source meter: 2400s

・RS-232c cable (Need to cutting)

・USB cable

・Ethernet cable

・3-terminals power cable

Set the mode switch on the KV-8000 to PROG (Fig 1).

Connect the above devices as shown in Fig 2.

After cutting the RS-232c cable, attach the cut section to the KV-XL202 Port1. The RS-232c cable currently in use can be connected with the color pattern shown in the lower right of Fig 2. It is recommended that a continuity check be performed when changing cables.

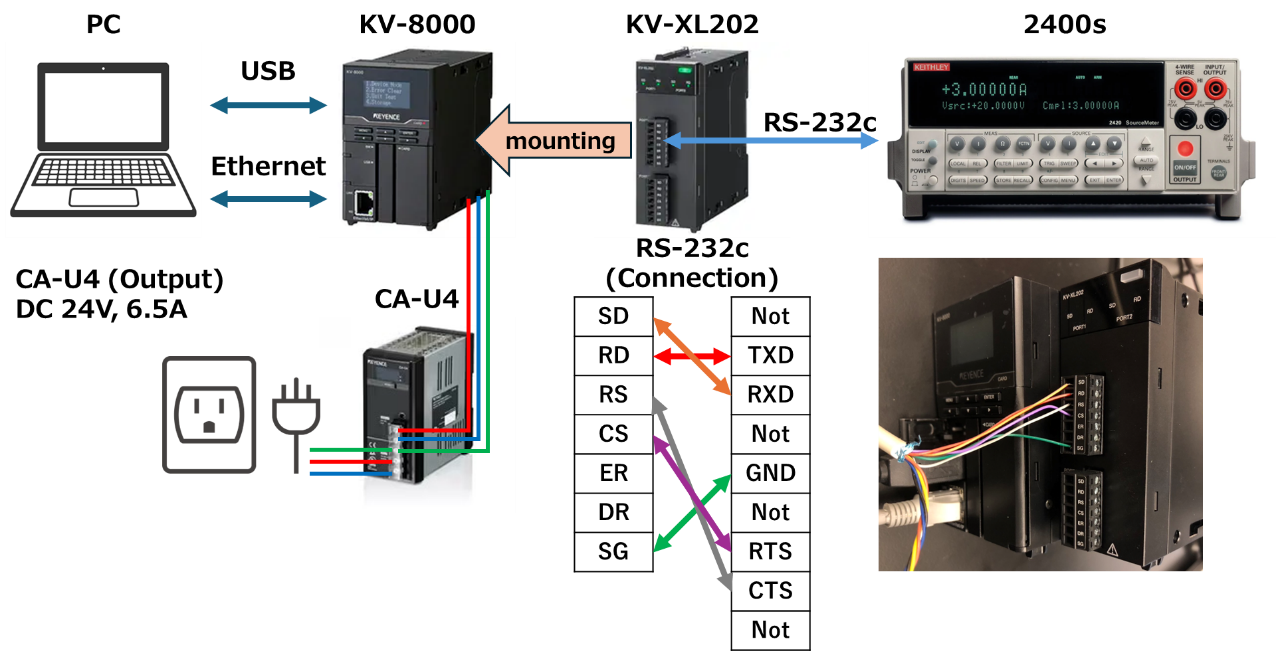


Fig Device connection

屋内, テーブル, ビデオ, ゲーム が含まれている画像

AI によって生成されたコンテンツは間違っている可能性があります。

Fig Photo of actual configuration

* + 1. 2400s Settings

[Communication settings]

1. Press the Menu button.
2. Select Communication and press Enter
3. Select RS-232 and press Enter
4. Select BAND and press Enter. Select 9600 and press Enter.
5. Select BITS and press Enter. Select 8 and press Enter.
6. Select PARITY and press Enter. Select EVEN and press Enter.
7. Select THERMINATOR and press Enter. Select <CR+LF> and press Enter.
8. Select FLOW-CTRL and press Enter. Select XON-XOFF and press Enter.
9. Press the Exit button twice to return.

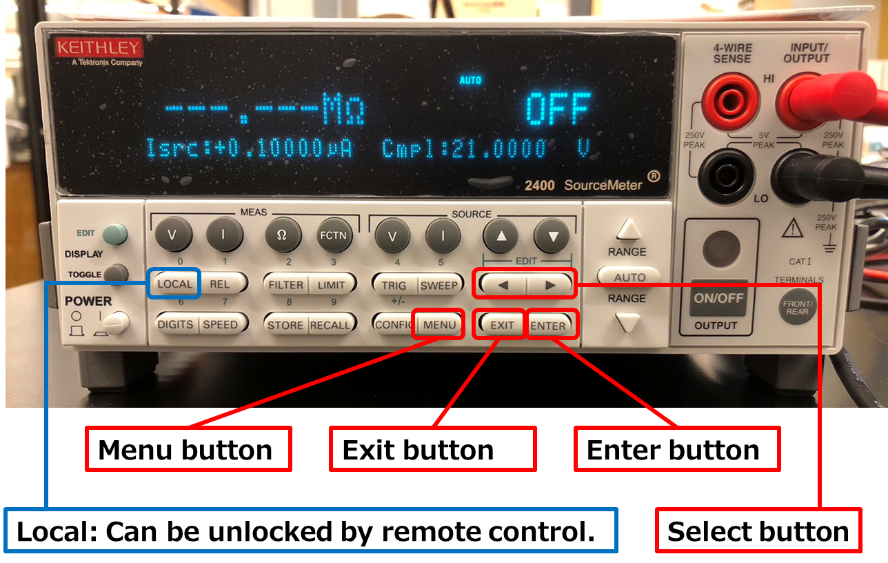


Fig Front panel of 2400s

* 1. Create KV-studio Project

1. Launch KV-studio.
2. Click on [File] -> [New project].
3. Enter Project name, PLC model, Project location. (Fig 5)
4. Click OK to create the project.
5. When the “Automatically set the operation recorder setting?” dialog box appears, select Yes. (\*This setting is optional.)
6. When the “Setup unit setting info now?” dialog box appears, select No.

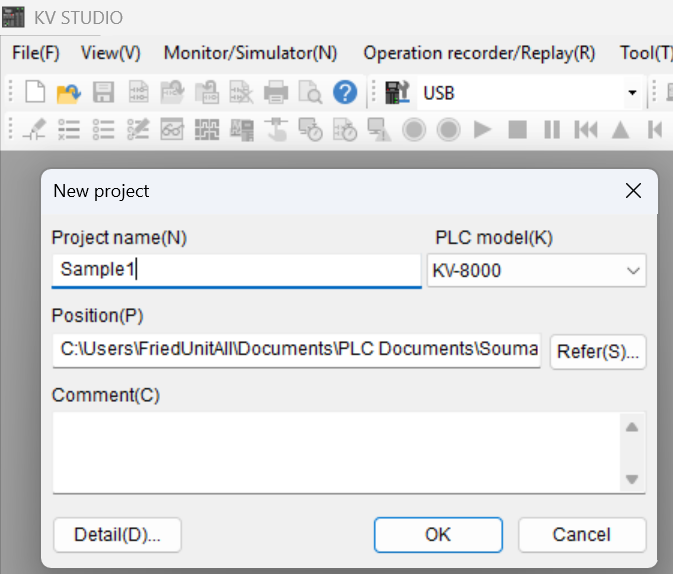


Fig Create New Project window

* 1. Configure PLC Settings

1. Click on [Tool] -> [Clear PLC].
2. Clear PLC: Select a Clear All and Execute.
3. Project tree: Right click on [Unit configuration] -> Click on [Unit Editor].
4. Unit Editor: Click on [File] -> [Read Unit config. from PLC].
5. Unit Editor: When the “Unit settings are read in the initialization status.” Dialog box appears, select Yes.
6. Unit Editor: Select KV-8000 and Set [FTP server] to “Used”. (Fig 6)
7. Unit Editor: Select KV-XL202 and Change to the following settings. (Fig 7)

・Port1, Operation mode: Select “Non-procedure mode”.

・Port1, Device allocation: “DM”. (default)

・Port1, Interface: “RS-232C”. (default)

・Port1, Baudrate: “9600bps”. (Match with 2400s settings)

・Port1, Data bit length: “8 bits”. (Match with 2400s settings)

・Port1, Start bit: “1 bits”. (default)

・Port1, Stop bit: “1 bits”. (default)

・Port1, Parity: “Even”. (Match with 2400s settings)

・Port1, Checksum: “none”. (default)

・Port1, RS/CS flow control: “ON”. (Match with 2400s settings)

1. Unit Editor: Click on [Apply]. And click on [OK].

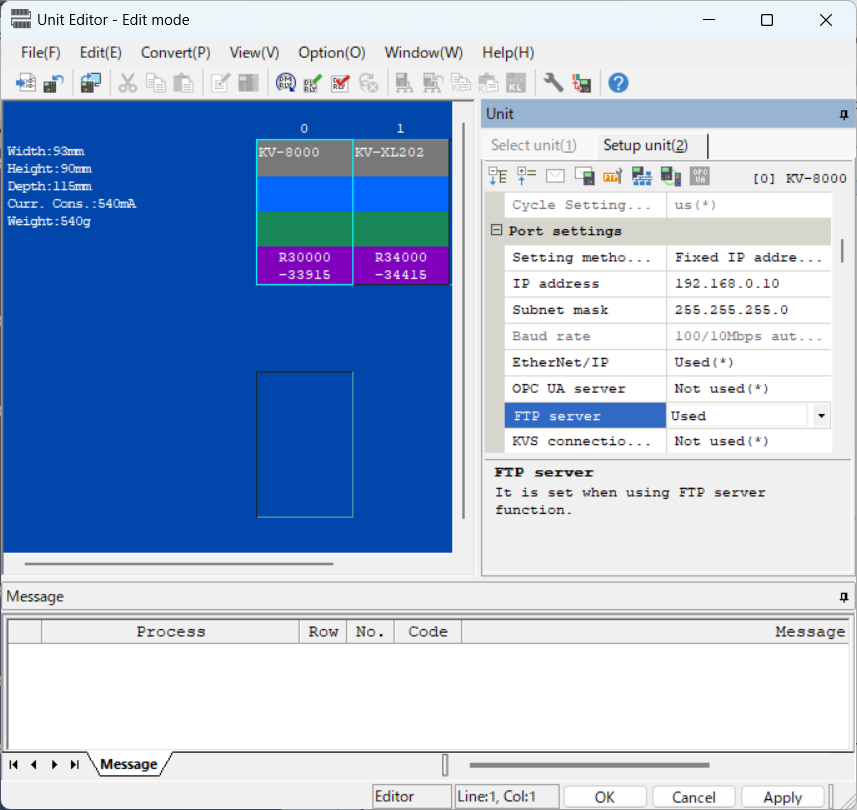


Fig Configuration of KV-8000

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Fig Configuration of KV-XL202

* 1. Register unit device

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Fig Device Comment

1. Click on [View] -> [Device comment edit window].
2. Device comment edit: Click on [Detail].
3. Device comment edit: Click on [Register unit device].
4. Register unit device: Select KV-8000 and KV-XL202.
5. Register unit device: Click on [Reg].
6. Device comment edit: Verify that the unit device is registered. And exit. (Fig 8)
   1. Create a Ladder Program

Import a basic program already created. The sample projects referenced exist in the following directories.

[Sample project]

C:\....\PLC\_CommunicationTo2400S\Documents\Sample1\Sample1.kpr

1. Writing: recorder setting: continue sending(No: this setting is optional.)
2. A
   1. Load settings from PLC
   2. Writing settings and programs
   3. Displaying device values
   4. RS-232c communication of KV-XL202
3. Aaa
4. Aaa
5. Aaa