

4.4.27 Sample export

“Sample save” is not suitable for analysis of a great deal of data. “Sample export” function can instead of it. It can export the data to the U-disk.

The following example shows the changes of two float number in data grid and exports to U-disk.

sample data PSW256

sample data PSW258

screen1

float number input

00000.000

00000.000

No	Temperature	Humidity	sample time
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13
0	00000.000	00000.000	2011-09-28 15:59:13

export

off

real-time export

off


export result

00000

export %

00000

export status

1. Click sample export  button. This button only shows in the software. It cannot be seen in Touchwin HMI.

2. The set window of sample export button:

■ Common

Export sample data

Export Control

Date Time

Position

Common

Sample

Destination

Save

Storage Size

100

Pick Mode

Period Pick

Period

1

Secc

Pick Ctrl

MO

Dynamic Pick

MO

Fix Mode

Stop

Recycle

Feel Pick

MO

➤ Store size

The export data quantity (M)

Register quantity used by each export data (N) = data quantity + time

(year/month/day/hour/minute/second= 6 registers)

The register quantity used by all export data = $M \times N$

➤ Pick mode

Period: the sample period, min is 1s

Pick control: start sample when coil is ON

Dynamic pick: cyclic sample the data when the coil is ON; stop sampling if the capacity is full when coil is off.

Fix mode: recycle – cyclic sample the data; stop – stop sampling if the capacity is full

Note: fix mode and dynamic mode cannot be chosen at the same time.

➤ Feel pick

Sample the data at the rising edge of signal.

■ Sample

Title: the name of the sample data

Sample: the register for sample

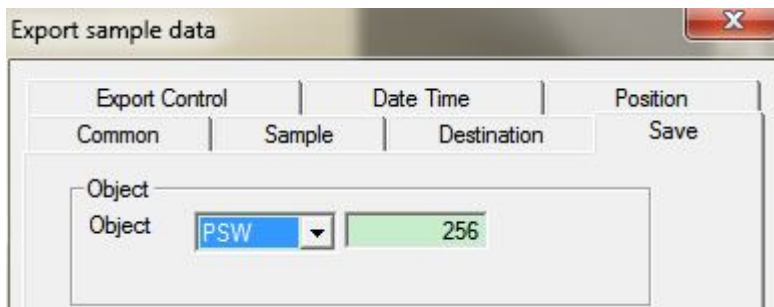
Format: the format of the sample data

Bit length: the total bit of the data

Float length: the bit after the radix point of data

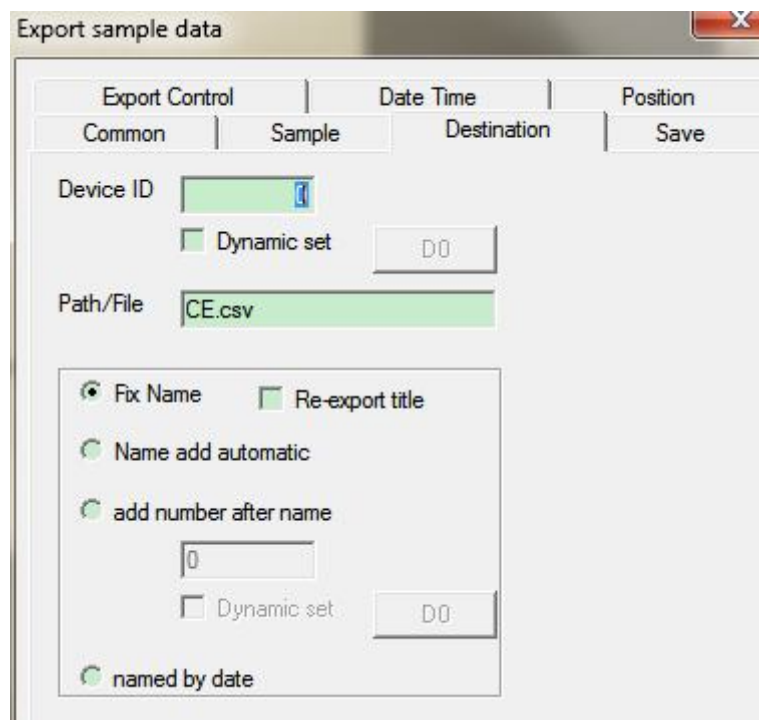
Add/delete/move up/move down: to add/delete/move up/move down the data

■ Save



Object: to save the sample data in internal register (PSW/PFW) of Touchwin HMI.

■ Destination



➤ Device ID

This value cannot be changed. 0 means export to U-disk.

➤ Path/File

The name of export file

Fix name: all the data will export to the same file

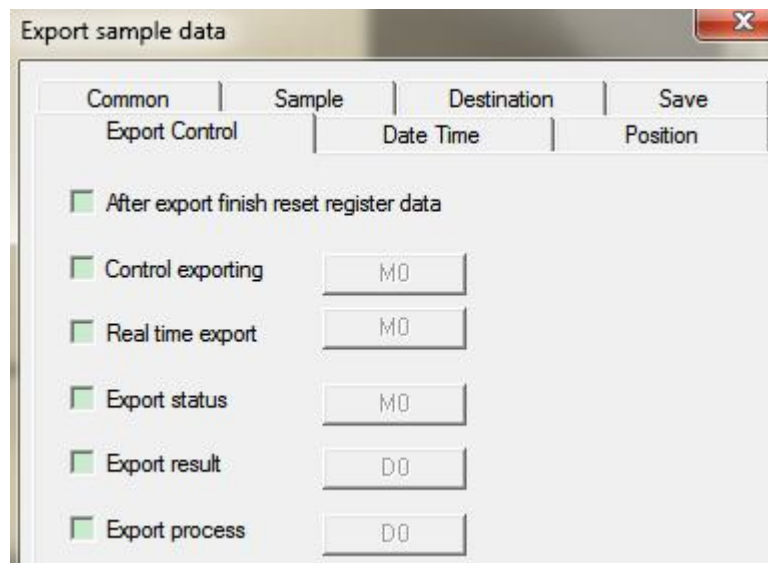
Re-export title: add title when exporting the data every time

Name add automatic: add number for export file name. For example, the file name is 002, then the next file is 0020001, 0020002..... the max no. is 0029999.

Add number after name: add fix number for the export file name. the number can be set in register. The max no. is 9999.

Named by date: name the export file with date

■ Export control



➤ After export finish reset register data

Clear the sample data after export to U-disk.

➤ Control exporting

Control the exporting by the coil. When the capacity is full, this function will be functional.

➤ Real time export

Export the data at the rising edge of signal

➤ Export status

The coil will be ON when exporting. The coil will be OFF when exporting finished.

➤ Export result

Save the export result in the register.

Register=0 export succeed

Register=1 export device doesn't exist

Register=2 lower memory of U-disk

Register=3 path/file name error

Register=4 read/write the file failed

➤ Export process

Show the percent of exporting

■ Date time

The screenshot shows the 'Export sample data' dialog box with the 'Date Time' tab selected. The 'Common' tab is also visible. The 'Date Time' section is active, showing a checked 'Date Time' checkbox. The 'Date format' is set to 'YYYY-MM-DD' with a dropdown arrow. Below it, an 'Example' field shows '2011-09-29'. The 'Time format' is set to 'HH:MM:SS' with a dropdown arrow. Below it, an 'Example' field shows '15:52:59'.

Set the date and time of export data.

■ Position

The screenshot shows the 'Export sample data' dialog box with the 'Position' tab selected. The 'Common' tab is also visible. The 'Position' section is active, showing a 'Position' label. Below it, there are two input fields: 'X' with the value '66' and 'Y' with the value '150'. At the bottom, there is a 'Lock' checkbox which is currently unchecked.

The position of sample export button.

Lock: lock the button. The button cannot be moved.