WinCT-AD4421

Introduction

Thank you for your interest in our products. Before using this software, be sure to read the following "Software License Agreement" and "Precautions." Also, for the correct usage of this software, do not fail to read the contents of the instruction manual.

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1. Introduction

WinCT-AD4421 is a Windows application for internal setting value backup and data logging using A&D's AD-4421.

2. System requirements

Microsoft® Windows® 10/11

.NET Framework 4.7.2

3. Download for Application

It is a possibility that functional additions and bug fixes are made, so please using the latest version .

The latest version can be downloaded from A&D's home page.

Extract the downloaded zip file to a location of your choice.

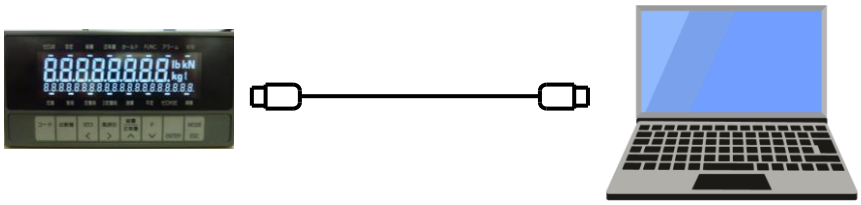
4. Connection Methods

According to the manual, connect AD-4421 to the load cell.

Using commercially avilable USB cable, connect AD-4421 via USB port at the PC.

Power delibery is enable via USB and AD-4421 is ON.

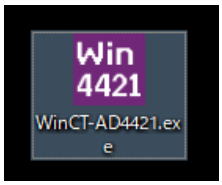
Do not remove the USB cable while the application is runnning. Exit the application before the cable is removed.



5. User guide

5.1. Starging Application

Double-clic the extracted exe file If the message "Windows protected your PC." appears, run the file from the screen that appears by clicking on More info in the message.

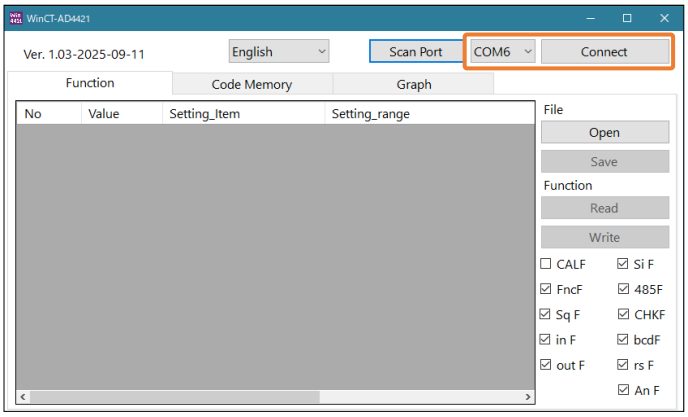


5.2. Device Connection

Select the port connected to AD-4421 from [COM?] and press [Connect].

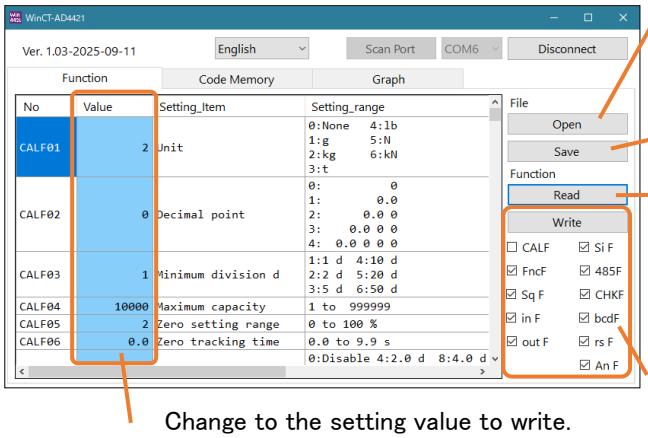
During the connection, it will change to [Disconnect].

To exit, press [Disconnect] and [×].



5.3. Change and backup function setting value

The [Function] tab provide change and backup function setting value.



Change to the setting value to write.

Open the backup file from the PC and appear it in the left table.

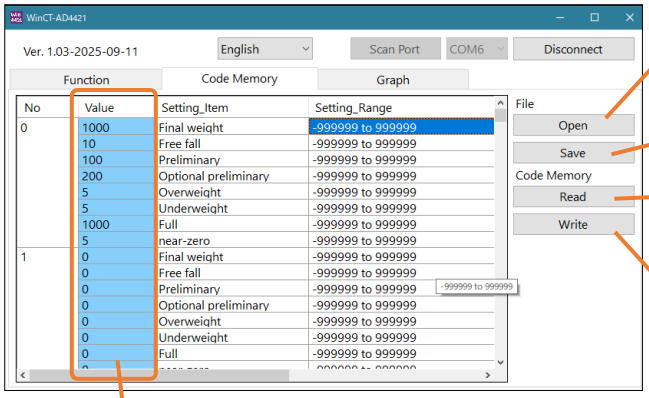
Save the backup file to the PC.

Read out the setting values from AD-4421 and appear them in the left table.

Write the setting value groups selected by check boxes to AD-4421. If it fails because it is out of the setting range, the value area in the left table will turn orange.

5.4. Change and backup code memory setting value

The [Function] tab provide change and backup code memory setting value.



Open the backup file from the PC and appear it in the left table.

Save the backup file to the PC.

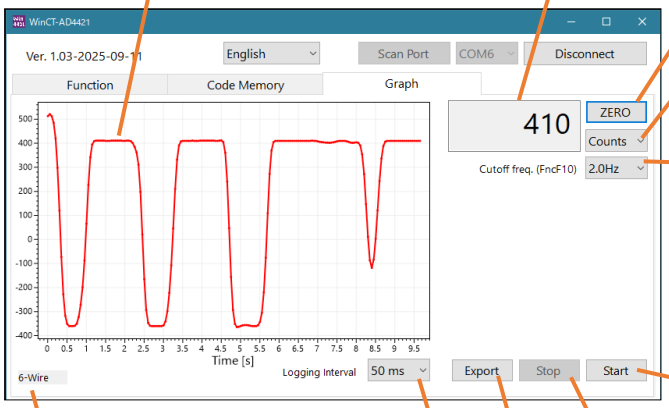
Read out the setting values from AD-4421 and appear them in the left table.

Write the setting value groups selected by check boxes to AD-4421.

Change to the setting value to write.

5.5. Measurement value logging

The [Graph] tab provide measurement value monitoring and logging



Waveforms will be drawn after starting logging.

The current indicated value is displayed.

Set measurement value (Gross) to zero.

Switch the indicated value to mV/V.

Change HPDF setting (cutoff frequency).
A smaller setting value (lower cutoff frequency) will make it more stable, but quicker response.

Start logging. Maximum 65000 points.

Stop logging.

Save logging points to the PC as CSV file.

Select loggin interval from 50m, 1s, 10s or 1min..

The current load cell connection type (CALF-26) is displayed.