FB2558 – FB2560 Perten AM 5200-A Grain Moisture Tester Configuration

Revision 3
04/19

FB2558 instruments with revision 6.3 & higher software and all FB2560 instruments support data integration with the Perten AM 5200-A Grain Moisture Tester.

The interface between the FB2558/FB2560 instrument and the Perten meter is a serial interface.

NOTE: The interface only works for the FB2558/FB2560 in Inbound / Outbound weighing mode. It is not supported in Axlematic or DAT operating modes.

To configure the FB2558/FB2560:

- Press Menu and Login.
- Select CONFIGURATION MENU.
- PAGE FORWARD and select CONFIGURE OUTPUTS.
- Select the COM PORT to be used.
- Select LOAD.
- PAGE FORWARD and select PERTEN AM 5200-A. This will load the default serial port settings for the Perten AM 5200-A.
- Select PERTEN LINKS. All nine (9) data points load by default and will be listed in this menu. You can disable any that are not needed. SAVE CHANGES when complete.
    - **NOTE – NTEP requires the CALIBRATION NO. data to print on the ticket.**
- Select CONFIGURATION MENU.
- PAGE FORWARD and select PROGRAMMABLE PROMPTS.
- Enter the Prompt Names to correspond to the data points used in the PERTEN LINKS menu.

The FB2558 / FB2560 portion of the configuration is now complete.

To configure the Perten AM 5200-A Grain Moisture Tester:

1) Download the *custom_output.cfg* file from the FB2558, FB2560 or Perten 5200-A Intranet product page.
2) Create the following folder structure on a USB jump drive:
    a. x:\perten\import\ (NOTE – X:\ is a variable)
    b. NOTE – the folder structure has to be exact or this process will **not** work.
3) Copy the file *custom_output.cfg* into this folder.

4) Insert USB flash drive to the Perten AM 5200-A meter using either USB port on the back of the meter.
5) Login as ADMIN in the Perten AM 5200-A meter.
    a. Select MENU.
    b. Select GENERAL SETTINGS.
    c. Select LOGIN.
    d. Touch DEFAULT.
    e. Enter the code 142857 and press the green ↵ button.
    f. Select CLOSE.
6) Import the *custom_output.cfg* file.
    a. Select MENU.
    b. Scroll down to and select IMPORT/EXPORT.
    c. Select IMPORT.
    d. Once Import is complete, select OK.
        i. **NOTE**: In some versions of the AM 5200-A meter, there is a software bug that will **erroneously** display UNABLE TO IMPORT. If you see this message,
            1. Press OK.
            2. Press EXIT.
            3. Select MENU.
            4. Scroll down to and select LOGBOOK.
            5. Select CHANGE LOG.
            6. The top item should be the time & date you attempted the import of *custom_output.cfg* file.
            7. If this is there, the import was successful.
            8. Select EXIT.
7) Select MENU.
8) Select GENERAL SETTINGS.
9) Select LOCAL SETTINGS.
10) Scroll to and select OUTPUT MODE.
11) Select CUSTOM.
12) Select SAVE.
13) Select EXIT.
14) **Remove the USB jump drive.**
15) Power off the Perten AM 5200-A meter.
16) Restart the Perten AM 5200-A meter.

If using the 295 printer, set the baud rate in the instrument to 1200 and set the 295 switch settings to 3, 7 & 8 ON and the rest OFF.

NOTE: the Perten 5200-A meter must have the OUTPUT MODE set to CUSTOM for this to work. If set to PRINT.

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