

ADDING SUPPORT FOR THE METTLER TOLEDO IND560 SCALE TO A FORTE x760 SYSTEM

There are three steps to the change:

1) Install the program change to the FORTE x760 System PC.

Attached is a ZIP file that contains an Update.exe file and an autorun.inf file.

After you unzip the file, you can burn those two files to a CD and use the CD to update the FORTE 7760 PC.

There are two files that are updated by the program change:
SerialDevices.ocx is in the C:\ForteSystem\System folder.
Design7760.mdb is in the C:\ForteSystem\RealTime folder.
The two new files will be dated 2007.

The update program on the CD will also save and create a backup of the old files in the C:\ForteSystem\Backups folder.
The two older files will be dated 2005.

The program update installs very quickly. It is just two files. You can run it from the CD, or copy the EXE file to the FORTE x760 PC to a temporary folder and run it from there.

2) AFTER THE PROGRAM UPDATE IS INSTALLED:

Go to the DEVICES menu in the x760 program and check the configuration and communication settings for the scale.

Change the settings for baud rate, data bits, parity, and stop bits to match the settings in the IND560 scale.

In the IND560 scale at FORTE, the DEFAULT settings for the IND560 were:

Baud Rate: 9600
Data Bits: 8
Parity: None
Stop Bits: 1

The scale at ZY Spinning - Suedwolle might have a different setup.

3) Configure the IND560 Scale for the correct output string and communication settings.

You should become familiar with how to enter data into the IND560 using the five round buttons under the display window and the five ENTER and arrow buttons to the right near the keypad.

Toledo IND560 template modification:

From the Template1, you need to add STX at the beginning and ETX at the end of the string.

When you use the FORTE DEVICES Scale TEST button, you should see the following type message as a result of the test:

<STX> 34.00 kg 0.00 kg T 34.00 kg N<ETX>

The weights displayed are GROSS weight, TARE weight, and NET weight.

IND560 SETUP PROCEDURE:

Go into the IND560 setup menu.

Go down to **Communication** > Down to **Templates** > down to **Output** .

Select the "Template 1".

Go to view "Template 1".

Add a new page in "Element 1".

Set the Type to Special Character > change data to 02H <STX>, then OK.

Then use the down arrow key to go down to the last item (-End-) and add a new page.

The new page will be the last element.

Set the Type to Special Character > change the data to 03H <ETX>, then OK.

In my IND560, the final Output for TEMPLATE 1 looks like this:

1. STX
2. Wt0101
3. <SP>
4. Wt0103
5. CR/LF
6. WS0102
7. <SP>
8. Wt0103
9. WS0109
10. CR/LF
11. Wt0102
12. <SP>
13. WT0103
14. N
15. ETX
16. -END-

The IND560 Communications > Connections settings are:

Port = COM 1 Assignment = CTZP Input

Port = COM 1 Assignment = Demand On

These settings are important. Both settings must be selected.

The IND560 Communications > Serial settings are:

COM 1:

Baud Rate: 9600

Data Bits: 8

Parity: None

Flow Control: None

Interface: RS-232

If the settings for the IND560 are not correct, it might be a good idea to use the MASTER RESET feature described on page 4-9 of the Technical Manual. If the scale is displaying weight correctly, do not use reset switches 2-1 and 2-2.

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