

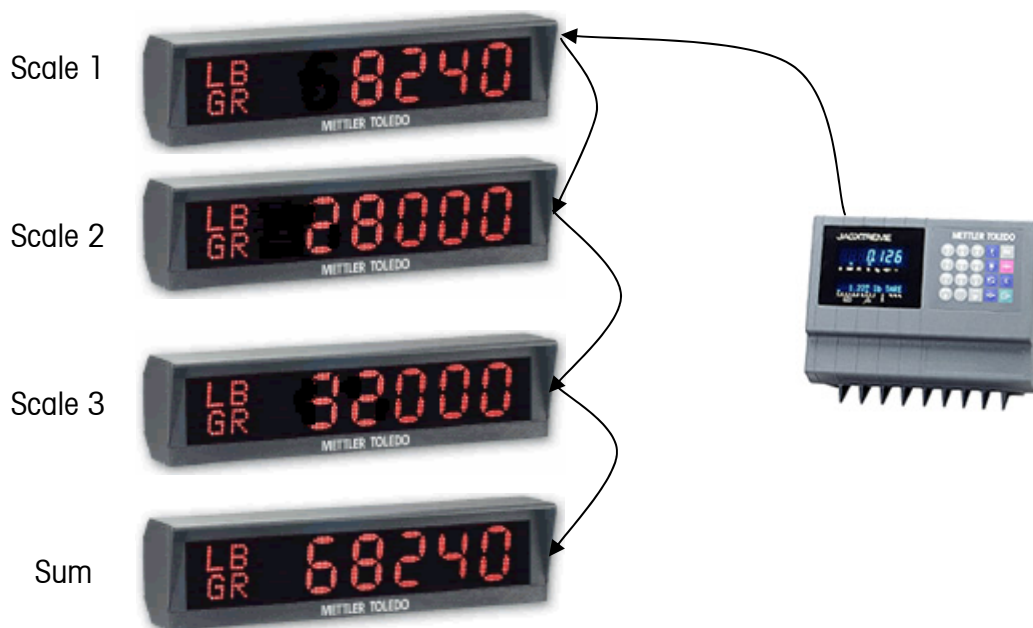
Configuration with JagXtreme

Connecting Multiple ADI310 Scoreboards to a JagXtreme using MultiContinuous Output.

What is the difference between **Toledo Continuous** and **MultiContinuous1**?

Toledo Continuous transmits the weight string from one scale over and over again. The scale is selected when the Toledo Continuous connection is configured. The first character of the string is always the STX Start of Text character (decimal 2). The configuration shown below would require four serial ports and a cable to each of the displays with Toledo Continuous.

MultiContinuous1 transmits a weight string for every configured scale, one after the other. The first character that is transmitted represents the scale number. The Scale 1 string would begin with SOH (decimal 1). The Scale 2 string would begin with STX (decimal 2). The terminal will transmit a string in this format for every configured scale including the sum scale. The sum scale string will begin with an ENQ (decimal 5). The configuration shown below can be accomplished with MultiContinuous1 using only one serial port and a daisy chained two wire cable.



METTLER TOLEDO

JagXtreme Port Configuration

Port = COM2
 Interface = RS422
 Baud = 9600
 Data Bits = 8
 Parity = None
 Handshake = None
 Connection = MultiContinuous1

System Wiring

JagX	Scale 1 Display	Scale 2 Display	Scale 3 Display	Sum Display
TX+	Pin 7 RX422A	Pin 7 RX422A	Pin 7 RX422A	Pin 7 RX422A
TX-	Pin 8 RX422B	Pin 8 RX422B	Pin 8 RX422B	Pin 8 RX422B

Configuring the ADI310

Entering Setup

- Hold down the LEFT button during power-up.
- It will display OPTION
- Press and release the LEFT button until you get to Option step 11.
- Change the Option 11 value using the RIGHT button.
 - To display the scale 1 weight, set the value of Option 11 to a 1.
 - To display the scale 2 weight, set the value of Option 11 to a 2.
 - To display the scale 3 weight, set the value of Option 11 to a 3.
 - To display the scale 4 weight, set the value of Option 11 to a 4.
 - To display the sum scale weight, set the value of Option 11 to a 5.
- After setting the value of option 11, press the LEARN button to save the changes and restart the display.

NOTES

- Add a 150 ohm terminating resistors at the JagXtreme Com2 terminals across TX+ and TX-. Add a 150 ohm terminating resistor at the Sum Scale Display connector across pins 7 and 8.
- The JagXtreme must have a sum scale configured or else MultiContinuous1 does not transmit any data.
- The documentation in the ADI310 manual is wrong. The example indicates that the value for Option 11 should be an ASCII A (entered as a decimal 65) for scale A.

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For more information

Subject to technical changes
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