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TOTALFLOW®
Technical Bulletin 61
Procedure for setting up 6400/6700 Custom Display

Totalflow Technical Bulletin

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Procedure for Setting up 6400/6700 custom display

This procedure provides examples of programming the 6400 FCU display. The examples used are displaying ID and Location on the display for 5 seconds and displaying Orifice Diameter on the display for 5 seconds. Technical Bulletin 44 describes this procedure in detail.

1:     Connect laptop to local port on the FCU

2:     Enter Terminal Emulation Mode:

Procedure for set up and usage of Terminal Emulation Mode

Local protocol hardware is only supported via an RS-232 interface. Default port settings are *2400 baud, 8 data bits, 2 stop bits, no parity*.

Entering "TERM (ENTER)" or "term (ENTER)" initiates the Terminal Interface Mode. Disconnecting the local port connector terminates Terminal Interface Mode.

To *read* data using Local Terminal Interface commands, type the command letters in either upper or lower case. Hit the Enter key (ENTER). The FCU will respond with the current value for the appropriate data item.

To *write* data, type the command letters in either upper or lower case, followed by '=', then the value to be assigned to the associated data item. Then hit the Enter key (ENTER).

EXAMPLE: To set the specific gravity to 0.5678, the command would be "g=0.5678(ENTER)".

 It is important to remember that this protocol does NO range checking or validation on data entered. Invalid data will generate invalid results.

3:     Type "*term*" (enter) should see "TF>"

4:     Type "*OK*" (enter) should see "*OK=Y*". If you see "*OK=N*", type "*code = (*2nd level s*ecurity code*) (enter)", then type "*OK*" (enter), you should see *"OK=Y"*.

5:     Type *x=12* (enter) (will display ID and Location) (see appendix "B" of Technical Bulletin 44 for other options)

6:     Type *xs=5* (enter) (will display the ID and Location for 5 seconds)

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7:     Type *dsav* (enter) (saves new display configuration to FCU)

8:     Type *x=99* (enter) (starts display scrolling again)

9:     Type *x=28* (enter) (displays spare display slot)

10:    Type *dvcb = 2 (space) 9 (space) 37 (*enter*)*   NOTE: DO NOT TYPE THE WORD "SPACE"—use the space bar for the space between the 2 and the 9 and between the 9 and the 37; this will bring up the VCB VAR register to the display that will allow for the programming of the LCD display.

11:    Type *dspn = Orifice Diameter* (enter) (programs name to be displayed)

12:    Type *dspu = Inches* (enter) (programs engineering units to be displayed)

13:    Type *xs=5* (enter) (will display the Orifice Diameter for 5 seconds)

14:    Type *dsav* (enter) (save programming to FCU)

15:    Type *x=99* (enter) (starts display scrolling again)

16:     Exit Terminal Emulation Mode by "clicking" on "File" and choosing "Exit".

17:     Disconnect laptop from FCU