SETTINGS – VALVE (Adjust meter size and valve size parameters)

Note: Stylus Pen Recommended for Touch Screen Programming
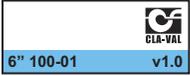
| 6" 100-01   v1.0 | From Flow Rate or Sensor Frequency screen, select [CLA-VAL icon] to access **Settings** menu. |

| VALVE / YES | Select **VALVE** then **YES** to configure meter size |
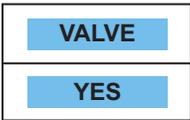
Select correct METER size from chart below

| Size 1 / Size 2 / Size 3 / Size 4 |

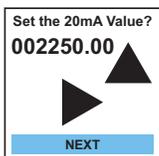| X144D Sizes		1		2		3		4						
Full Port Valve Sizes	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24	30
Reduced Port Valve Sizes	4	4	4	6	8	10	12	14	16	18	20	24	CF	CF

| YES | Save configuration |

SETTINGS – OUTPUT (Adjust Gain, mA Scaling, mA Filtering, Pulse Weight, and 4-20mA Output Test)
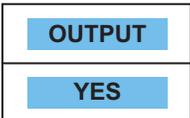
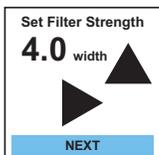| OUTPUT / YES | Select **OUTPUT** then **YES** to configure output. |

| Set the Gain? **1.00** ▲ ▶ NEXT | Default Gain is 1.00. Use arrow keys to adjust gain to desired value. Increasing or decreasing value offsets factory calibration. Select **NEXT** to continue. |

| Set the 20mA Value? **002250.00** ▲ ▶ NEXT | Use arrow keys to set 20mA Full Scale Output. Match 20mA value to customer display and/or SCADA. Select **NEXT** to continue. |

| Set Filter Strength **4.0** width ▲ ▶ NEXT | Default Filter is 4.00. Use arrow keys to increase or decrease filtering of 4-20mA signal. The higher the average filter strength, the longer the averaging time. Select **NEXT** to continue. |

SETTINGS – OUTPUT (Continued)

Set Pulse Weight?
01.000 ▲
▶
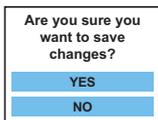NEXT

Default Pulse Weight is 1.00. Use arrow keys to increase or decrease Pulse Weight. Flow Rate = Number of Pulses x Pulse Weight / Time. Select **NEXT** to continue.


Set Flow Cutoff
030.00 ▲
▶
NEXT
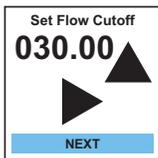
This setting is used to set a minimum flow reading that is displayed on screen before displaying zero flow. This is used when noise or vibration is causing erratic low flow readings when there is no flow. Select **NEXT** to continue.


Are you sure you want to save changes?
YES
NO

To save changes select **YES** .
To discard changes and advance to next menu select **NO** .

Do you want to test the 4-20mA Loop?
YES
NO
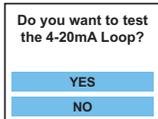
To test 4 and 20mA outputs select **YES** . To return to settings menu select **NO** .

0655 ▲
▶ ▼
NEXT
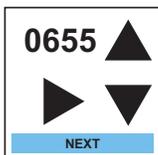
In this menu, a 4mA output signal is generated. To calibrate 4mA output to external device, use arrow keys to increase or decrease 4mA output. A Digital Multimeter to measure 4mA output. Select **NEXT** to continue to 20mA test.
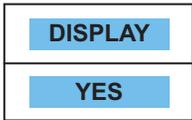

3273 ▲
▶ ▼
EXIT
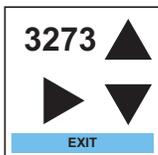
In this menu, a 20mA output signal is generated. To calibrate 20mA output to external device, use arrow keys to increase or decrease 20mA output. A Digital Multimeter to measure 20mA output Select **EXIT** to return to Settings Menu.
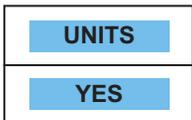
SETTINGS – DISPLAY – UNITS

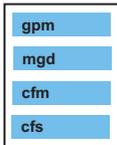| DISPLAY |
|---|
| YES |

Select **DISPLAY** to configure display settings.

UNITS
YES

Select **UNITS** then **YES** to configure units settings.

gpm
mgd
cfm
cfs

Select desired flow units for flow rate display. Select **YES** to save changes or **NO** to discard changes and return to **DISPLAY** menu.

DISPLAY – DECIMAL
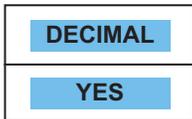
DECIMAL
YES

Select **DECIMAL** then **YES** to configure decimal settings.
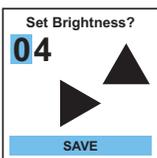
0000.0
▶
NEXT

Use arrow key to select decimal point for flow rate home screen. Select **YES** to save changes or **NO** to discard changes and return to **DISPLAY** menu.

DISPLAY – OTHER – BRIGHTNESS

OTHER
BRIGHTNESS

Select **OTHER** then **BRIGHTNESS** to configure screen brightness.

Set Brightness?
04 ▲
▶
SAVE

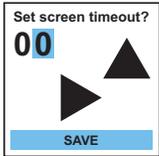Use arrow keys to select desired brightness. Select **SAVE** to save changes and return to **OTHER** menu.

OTHER – TIMEOUT

TIMEOUT

Select **TIMEOUT** to configure screen sleep.

Set screen timeout?
00
SAVE

Use arrow keys to select desired duration before screen goes into sleep mode.

Select **SAVE** to save changes and return to **OTHER** menu. Use Timeout if powering from battery source to save power consumption. If screen Timeout is set to 00 minutes, display will not go into sleep mode.

OTHER – RESET

OTHER

RESET

YES

Select **RESET** → **YES** to initiate Touch Screen Calibration.
Select **NO** to return to **OTHER** menu.

LCD Cal Touch Dots

Touch RED dots as they appear on touch screen.

Calibration Done

Calibration Failed!

Successful Touch Screen Calibration will result in message **Calibration Done** .
Touch **Calibration Done** to reboot and return to home screen. If message **Calibration Failed!** is displayed, touch **Calibration Failed!** and repeat Touch Screen Calibration until successful calibration.