



— MODEL — **X145**

## Cla-Val e-Display



Model X145

- **Displays: Flow Rate, Total, Pressure, Position and mA**
- **IP-65 Submersible**
- **SCADA compatible**
- **Customizable units**
- **Backlight optional**
- **Integral wall-mount hardware included**

The Cla-Val Model X145 “e-Display” displays rate up to five digits and totals up to eight digits. The e-Display can be programmed to automatically or manually toggle between rate and totalizing functions. Standard features include an optional backlit display with bargraph, on-screen custom engineering units, max/min display and alarm and pulse outputs.

Designed to be installed in conduit or wall-mounted, the X145 e-Display is easy to set-up and is ideal for installation with the Cla-Val X144 e-FlowMeter.

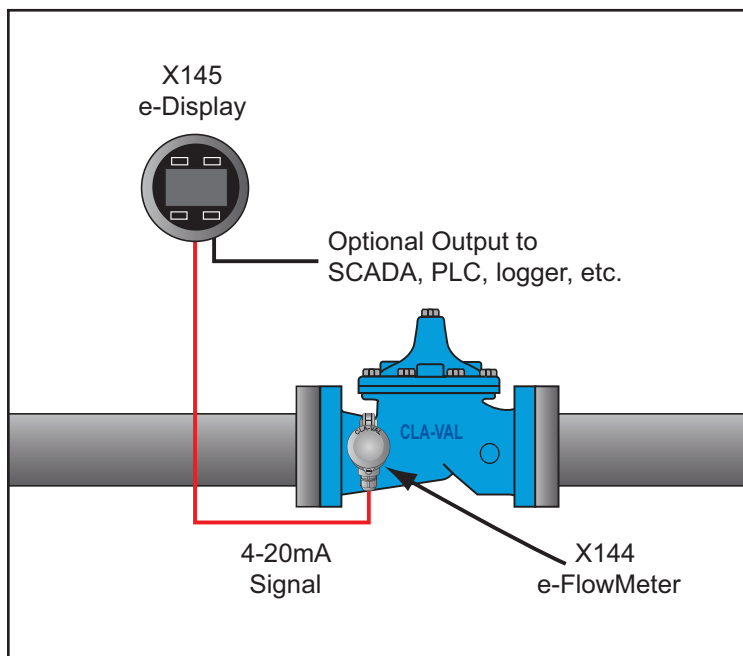
### Advanced Features

- **Pulse output available for SCADA, PLC and logging applications**
- **Configurable for low-flow cut-off**
- **Noise filter**
- **Optional password protection**
- **Programmable Alarm Outputs**
- **Math functions (Linear, Square Root, Programmable Exponent)**



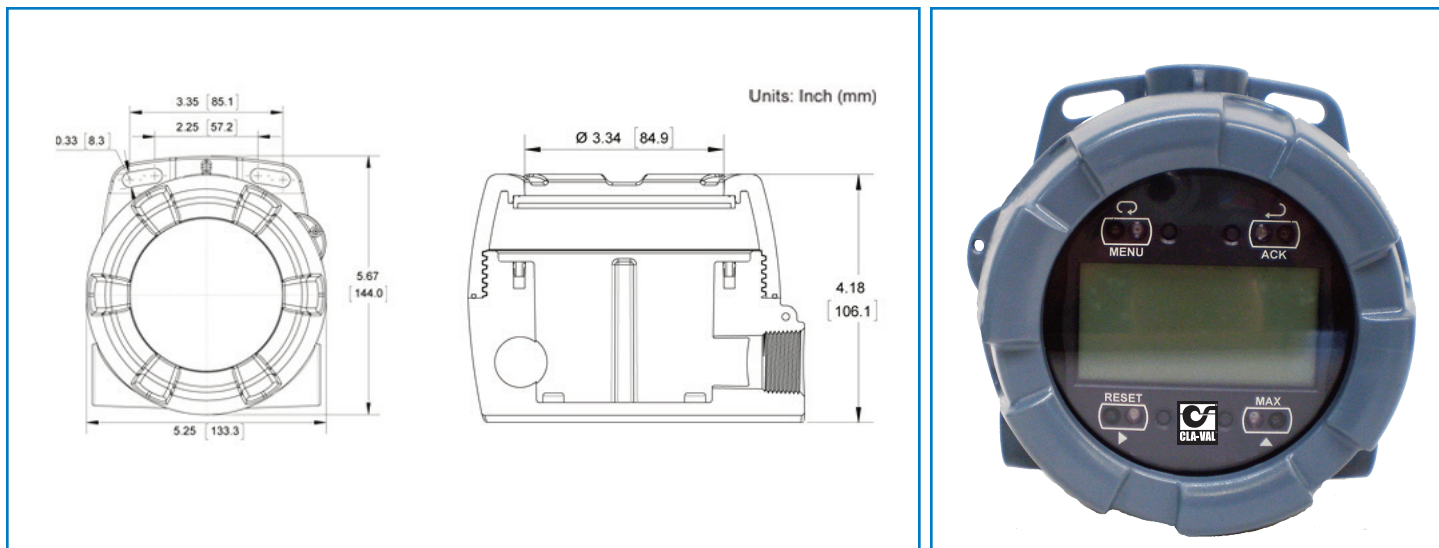
The Cla-Val Model X144 e-FlowMeter™ is a vortex shedding insertion flow meter designed to be retrofitted into a Cla-Val Automatic Control Valve to provide accurate flow measurement data without the need to install a separate meter.

### Typical Installation



To learn more about Cla-Val Electronic Products, visit [www.cla-val.com](http://www.cla-val.com)

## Dimensions



## Technical Data

<b>Power Input:</b>	<b>DC: 9-36VDC</b>
<b>Display:</b>	<b>Configurable</b>
<b>Operating Temp. Range:</b>	<b>-40° F to +167° F (-40° C to +75° C)</b>
<b>Protection:</b>	<b>IP-65</b>
<b>Configuration:</b>	<b>Factory Configured - Field Adjustable</b>

**For Installation, Operation and Maintenance Instructions, please see N-X145 Quick Start and N-X145-IOM at [www.cla-val.com](http://www.cla-val.com)**

## Complementary Electronic Products

X143MP  
Micro Turbine



X143IP Power Generator



X144 Electronic  
FlowMeter



VC-22D Electronic  
Valve Controller



## CLA-VAL

1701 Placentia Avenue • Costa Mesa, CA 92627  
800-942-6326 • Fax: 949-548-5441 • Web Site: [cla-val.com](http://cla-val.com) • E-mail: [info@cla-val.com](mailto:info@cla-val.com)

**CLA-VAL CANADA**  
4687 Christie Drive  
Beamsville, Ontario  
Canada L0R 1B4  
Phone: 905-563-4963  
E-mail [sales@cla-val.ca](mailto:sales@cla-val.ca)

**CLA-VAL EUROPE**  
Chemin des Mésanges 1  
CH-1032 Romanel/  
Lausanne, Switzerland  
Phone: 41-21-643-15-55  
E-mail: [cla-val@cla-val.ch](mailto:cla-val@cla-val.ch)

**CLA-VAL UK**  
Dainton House, Goods Station Road  
Tunbridge Wells  
Kent TN11 2 DH England  
Phone: 44-1892-514-400  
E-mail: [info@cla-val.co.uk](mailto:info@cla-val.co.uk)

**CLA-VAL FRANCE**  
Porte du Grand Lyon 1  
ZAC du Champ du Périer  
France - 01700 Neyron  
Phone: 33-4-72-25-92-93  
E-mail: [cla-val@cla-val.fr](mailto:cla-val@cla-val.fr)

**CLA-VAL PACIFIC**  
45 Kennaway Road  
Woolston, Christchurch, 8023  
New Zealand  
Phone: 64-39644860  
[www.cla-valpacific.com](http://www.cla-valpacific.com)  
E-mail: [info@cla-valpacific.com](mailto:info@cla-valpacific.com)