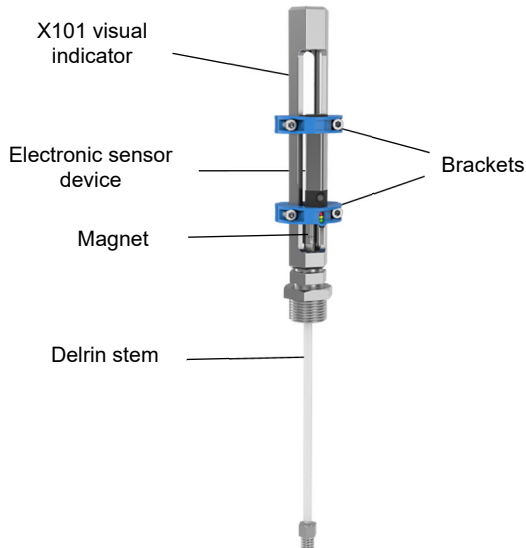


► Simple and Reliable

Precise and easy valve opening measurement!



Example of assembly:
CLA-VAL NGE100 valve with e-Lift-35 position sensor

Description: The CLA-VAL e-Lift-35 provides precise position of a CLA-VAL regulation valve through a 0-10 volts or 4-20 mA signal.

The e-Lift-35 sensor is directly mounted to a CLA-VAL X101 valve position indicator with just two brackets for extremely quick and easy installation.

Valve position is determined by magnetic field detection, avoiding direct physical friction and consequent mechanical degradation, ensuring outstanding product longevity.

The CLA-VAL e-Lift-35 is factory calibrated when specified with a new valve. Alternatively, when delivered standalone, a push-button system allows on-site calibration without any specific software installation and without the need to open the valve.

Functionality: A Delrin stem is directly connected to the main valve stem to track valve movements.

The mobile stem incorporates a magnet allowing the electronic sensor to detect the magnetic field, allowing very precise valve position measurement.

The magnet support is guided over the full stem range, ensuring exceptional measurement accuracy and repeatability.

The e-Lift-35 valve position transmitter provides a valuable metric for control or interrogation when connected to a CLA-VAL electronic valve controller or CLA-VAL datalogger. Furthermore, the combination of recording valve position and valve mounted inlet and outlet pressure sensors provides data necessary to calculate and record flow! (CLA-VAL **DP Metering™**).

► Technical Data



Power Supply:

Electrical Specifications

15 VDC to 30 VDC
Voltage protection: Max. 32 VDC overvoltage, polarity inversion & short-circuit resistance, isolation voltage up to 75 V

Power Consumption:

< 10 mA (0-10V mode)
< 20 mA (4-20 mA mode)

Connection:

1x 2 meters cable (4 wires)
Wire section: 0.07 mm²
Cable diameter: 2.4 mm

Position Signal:

Selectable 0-10 V or 4-20 mA signal

Load Capacity:

< 100 mA

Load Resistance:

< 500 Ω

Programming & Diagnostic:

Via push button and diagnostic LED, as referenced in the user manual.



Other Specifications

Operating Temperature:

-25°C to +80°C (Electronic only)

Protection:

IP68 Validated: 1 month at 2 m water depth

Interface:

1x Push buttons
Optionally CLA-VAL D22 / D12 / D35 Electronic Valve Controller or CV-Log-35 logger