

FICTIONAL DEMO DOCUMENT - SPECIMEN ONLY. NOT A REAL PRODUCT, APPROVAL OR CERTIFICATE.

CV-310

Smart Valve Positioner

HART positioner with partial-stroke testing and valve diagnostics.

KEY FEATURES

- Partial-stroke testing for safety valves
- Valve signature diagnostics
- Auto-calibration in under 3 minutes

The CV-310 is a smart electro-pneumatic positioner. It compares the 4–20 mA setpoint with measured stem position and drives the actuator until they agree.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Positioning and actuation
Measuring range	0 to 100 %
Accuracy	Resolution 0.1 %
OUTPUT	
Signals	4–20 mA, HART, Foundation Fieldbus
PROCESS	
Connection	Threaded
Process temperature	-40 to 85 °C
ENVIRONMENT	
Ingress protection	IP66
APPROVALS	
Approvals (demo)	Hazardous-area protection (Ex d), Functional safety SIL 2 capable, NAMUR NE 43 signalling
VALVE	
Stroke	5 to 120 mm linear, 30–100° rotary
ELECTRICAL	
Supply	Loop-powered, 3.8 mA minimum
PNEUMATIC	
Air supply	1.4 to 7 bar
Air consumption	< 0.03 Nm³/h

Specifications are illustrative demo values created for the INSTRAVA template. Replace with your own product data.