



A compact, rugged industrial process volt meter . . . includes calibration for zero and range.

The **FLEX DCV** is ideal for calibrated indication of voltage related units. It's ideal for use in new system designs or for adding display to existing voltage controlled processes. Its rugged die-cast enclosure is NEMA-4/IP65 rated, allowing installation in demanding industrial environments including wash-down applications.

- Large, high-contrast LCD with 3-1/2 active digits
- Four selectable input ranges from 199.9mVDC to 199.9VDC
- Minus sign and overflow indicators
- Accuracy to $\pm 0.1\%$
- Selectable right-hand "Dummy Zero"
- Programmable decimal point – tenths, hundredths, or thousandths
- Overrange protection and indication
- Potentiometer adjustments for zero, zero-offset, and scale
- Reading rate of 2.5 updates per second
- Wide operating temperature range, -20°C to $+60^{\circ}\text{C}$
- Meets NEMA-4 requirements for water- and dust-tight seal

The **FLEX DCV** features auto-zero circuitry and scaling provision to display in engineering units other than range voltage, allowing quick and easy calibration. A quick-disconnect plug-in connector and panel mounting hardware and gasket is provided.

SPECIFICATIONS

Display: 0.5" high LCD, 3-1/2 digit with minus sign (-1999 to 1999); Selectable decimal point (X.X.X.X) or right-hand dummy zero

Operating Power: 5VDC @ 2mA nominal; Absolute Minimum & Maximum: 4VDC & 7VDC

Input Ranges: Selectable 0-199.9mVDC, 0-1.999VDC, 0-19.99VDC, 0-199.9VDC

Overrange: Indicated by display of "1" in the most significant digit and the blanking of the lower order digits

Maximum Voltage: 0-199.9mVDC Range: 30VDC; All Other Ranges: 300VDC

Input Impedance: 1 Megohm

Accuracy: $\pm 0.1\%$, ± 1 digit

Reading Rate: 2.5 per second, nominal

Settling Time: 1.5 seconds

Scaling Adjustment: Adjustable from approx. 200 to 1999 counts using scale (coarse) and span (fine) adjustment potentiometers

Offset Adjustment (selectable): approx. -100 to +300 counts; Auto zero is disabled if offset feature is selected

Operating Temperature: -20°C to $+60^{\circ}\text{C}$

Span Temperature Coefficient: With Scaling Adjustment Disabled: $\pm 0.005\%$ of span/ $^{\circ}\text{C}$; With Scaling Adjustment Enabled: 0.015% of span/ $^{\circ}\text{C}$

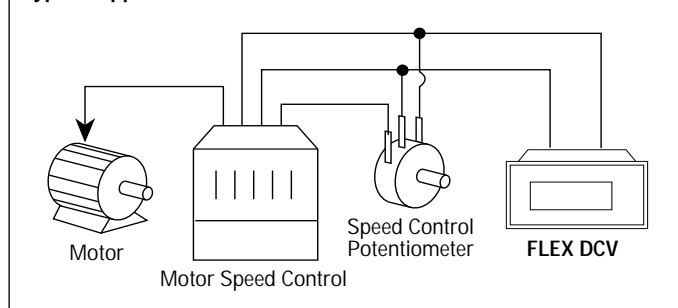
Zero Temperature Coefficient: $\pm 0.03\%$ of span/ $^{\circ}\text{C}$ with offset adjustment enabled

Materials: Diecast bezel, high impact plastic lens and insert; front surface meets NEMA-4 requirements when panel mounted with gasket provided

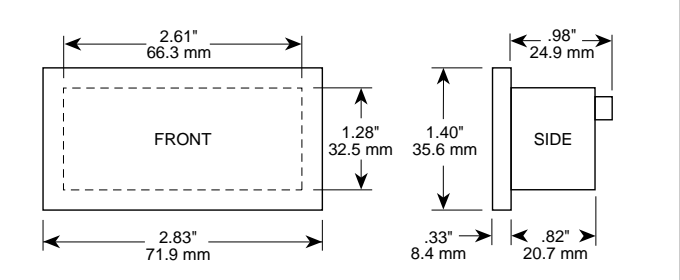
Weight: 5.5 oz. (156 g)

Model No.	Description
FDCV00	FLEX DCV , digital panel meter, DC voltage
328992-120	PANEL OPENING ADAPTOR; lets FLEX fit in 3.78" x 1.75" cutouts.

Typical Applications:



Dimensions:



Panel Dims: Cutout: 2.63" x 1.31". Thickness: 0.08" to 0.25". Depth: 0.70" min.