



**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,  $-20^{\circ}$  to  $+60^{\circ}\text{C}$
- Meets NEMA-4 requirements for water- and dust-tight seal

**For Loop Powered Current Indicator, see FLEX LPI  
For Process Current Meter, see FLEX DCI**

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:**  $\pm 0.1\%$ ,  $\pm 1$  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:**  $-20^{\circ}\text{C}$  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
<b>FDCV00</b>	<b>FLEX DCV</b> , digital panel meter, DC voltage
<b>0328992-120</b>	PANEL OPENING ADAPTOR; lets FLEX fit in 3.78" x 1.75" cutouts.

