



## Conductivity/Resistivity Indicators with Analog and Digital Displays



CDCN-5800  
**\$917**



Consult Omega's Flow Engineering Department for mounting accessories.

CDCN-5800, \$917, shown larger than actual size.

CDCE-90-1, \$298, shown larger than actual size. See page E-37.

- ✓ Simple Pushbutton Operation
- ✓ Wide Range of Operation
- ✓ Programmable Temperature Compensation and TDS Conversion Factors
- ✓ 12 to 24 Vdc/Vac Powered

The CDCN-5800 conductivity/resistivity indicator can accommodate a complete range of applications without factory configuration. Software menu control of temperature compensation, plus options to display  $\mu\text{S}$ ,  $\text{mS}$ ,  $\text{K}\Omega$ ,  $\text{M}\Omega$  or PPM (TDS) provide a wide dynamic range of operation. Linearity is assured over a wide range without the need for troublesome platinized or graphite electrodes, thanks to state-of-the-art electronics.

### Specifications

**Compatible Sensors:** CDCE-90-X Series (see page E-38)  
**Accuracy:**  $\pm 2\%$  of reading

**Input Range:** 0.055 to 400,000  $\mu\text{S}$  (10  $\text{K}\Omega$  to 18.3  $\text{M}\Omega$ )

**Temp Comp PT1000:** 0 to 100°C (32 to 212°F), optically isolated

**Display:**

**Update Rate:** <2 sec.

**Displayed Units:**  $\mu\text{S}$ ,  $\text{mS}$ ,  $\text{K}\Omega$ ,  $\text{M}\Omega$ , PPM (TDS)

**Relay Outputs:** Mechanical SPDT Contacts contact rating 5 A @ 30 Vdc, 5 A @ 125 Vac, 3 A @ 250 Vac

**Hysteresis:** User adjustable

**Current Output Range:** 4 to 20 mA with adjustable span

**Accuracy:**  $\pm 0.1\%$

**Dimensions:** 97 L x 97 W x 76 mm D (3.8 x 3.8 x 3.0")

**AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

| Model No. | Price | Description   |
|-----------|-------|---|
| CDCN-5800 | \$917 | Conductivity/resistivity indicator, including reversible dial face kit (0-2, 4, 6, 8, 10, 100) and assorted conductivity unit/multiplier decals |

Comes complete with operator's manual. Order electrode separately (see pages E-37 to E-38).

**Ordering Example:** CDCN-5800 conductivity/resistivity indicator with analog and digital displays, \$917.

Recommended Reference Book: Calibration, A Technician's Guide 2005, OP-20, \$79. See Section Y for Additional Books





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