

SYSTEMATICS INC

26 Burnside St. Bristol, RI 02809
Phone: (401) 253 0050 FAX: (401) 253-1602
E-mail: systinc@gis.net Website: www.systinc.com

CONDUCTIVITY CONTROLLER



Product Description:

The 960-3321 Conductivity Controller is a simple solution to monitoring and controlling the condition of water. Simply plug the instrument into a wall outlet, place the submersible electrode assembly in a tank or pipe fitting, and plug your solenoids or metering pumps into the instrument. A simple menu guides you through set up parameters as well as calibration and control set points.

Metering pumps, solenoid valves or other devices can be connected to 110 AC receptacles. These are turned on when the measurement exceeds the adjustable set point

The rugged (ABS) plastic cabinet and clear, lexan front panel provide good protection against a corrosive environment.

The back lighted LCD display provides conductivity or temperature readings in appropriate units.

Activates solenoid valves or metering pumps for Conductivity control

Benefits:

- ♦ Simple
- ♦ Accurate
- ♦ Easy to install and maintain
- ♦ Corrosion-resistant cabinet
- ♦ Plug-in output control receptacles
- ♦ Compact Wall Mount Design

The electrode can be installed from the top of a tank using a unique submersible pipe assembly. A polypropylene gland fitting allows easy access to the electrode for calibrating or cleaning. This same gland fitting facilitates an in-line pipe installation as well. The measurement electrode has a temperature sensor which allows the instrument to compensate for changes in the process temperature. The standard sensor has a cell constant of K1. Other constants are available.

Applications:

- **Rinse Tanks:**
Control purity of water in rinse tanks
- **High Acid or Caustic Content**
Provides more effective measurement in concentrated acid or caustic solutions
- **Boiler Condensate**
Measures purity of Boiler Condensate

Technical Information

Conductivity Controller

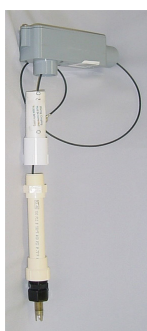
Model 960-3321



Enclosure with two output receptacles.



Bottom of enclosure showing terminal strip to connect cell.



Submersible assembly for top mounting sensor.



Typical 1K Cell

DESCRIPTION AND ORDERING INFORMATION

INCLUDED WITH THE CONTROLLER:

1. ABS Plastic Enclosure with hinged Lexan cover.
2. Backlit LCD display. pH, Temp and mV.
3. Menu buttons *Mode*, *UP*, *Down* and *Enter*.
4. LCD icons for calibration and relay indication.
5. Five amp fuse to protect internal relays.
6. Two 110 Volt powered receptacles controlled by adjustable set points.
7. Power Cord (110 volt).
8. Terminal strip to connect sensor cable.
9. Conductivity sensor with 15' Cable

Select One to be Included:

1. 970-0150 –Submersible electrode assembly for open tank measurement, or
2. 860-0120 –Poly gland fitting for in-line measurement.

SELECTABLE SCALE

2-19.99 mSiemens	0.1 mS Resolution
200-1999 μ Siemens	0.01 μ S Resolution
0-199.9 μ Siemens	.01 μ S Resolution

SPECIFICATIONS:

Cabinet:	Corrosion resistant ABS plastic with hinged, Lexan window. 6 1/2"H X 8"W X 5 3/4"D
Power:	115 Vac 50/60 Hz
Sensor:	Kynar, Teflon and Stainless with 15' Cable:
Submersible Electrode Assembly:	2 1/2' Approx.
Poly Gland Fitting:	3/4' MNPT

DISTRIBUTOR: