

SYSTEMATICS INC

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CONDUCTIVITY CONTROLLER



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 Design**

Product Description:

The 960-0220 Conductivity Controller is simple to install, use and maintain. Simply plug the instrument into a wall outlet, place the submersible electrode assembly in the tank, and plug your solenoids or metering pumps into the back of the instrument. Press the appropriate button to adjust the high and low set point, and the Controller is set to go.

The high and low set points are adjustable by pressing the appropriate button and turning the adjustment screw until the desired set point appears on the LED digital readout.

Calibration is simple; because the electrode is easily accessed and the adjustment screws are located on the front of the instrument.

Plug your metering pumps or solenoid valves into the 110V AC output receptacles located in the back of the instrument and plug the power cord into the nearest 110V AC outlet.

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

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 replacement. This same gland fitting facilitates an in-line 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 polymer body with platinum bands for measurement. They are set for a cell constant of 1. Other constants are available.

Applications:

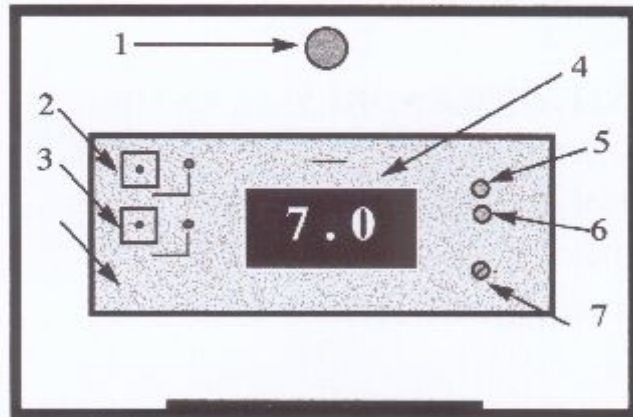
- ***Rinse Tanks:***
Control purity of water in rinse tanks
- ***High Acid or Caustic Content***
Provides more effective measurement in concentrated acid or caustic solutions
- ***Boiler Condensate***
Measures purity of Boiler Condensate

Technical Information

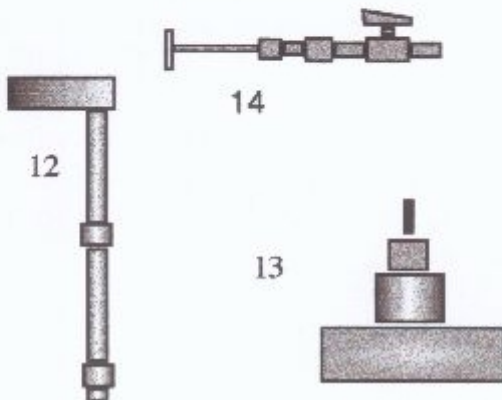
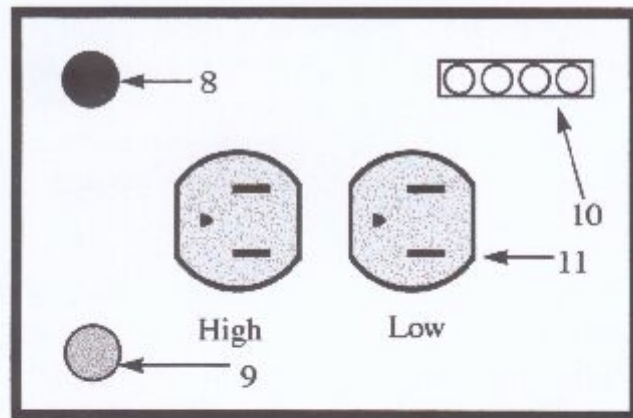
Conductivity Controller

Model No. 960-0220

Front Panel



Back Panel



DESCRIPTION AND ORDERING INFORMATION

INCLUDED WITH THE CONTROLLER:

1. Thumb Screw to open Window
2. High set point screw adjustment. Push button to display set point. Indicator lamp on when high relay is energized.
3. Low set point screw adjustment. Push button to display set point. Indicator lamp on when low relay is energized.
4. Display 2 1/2 digit LED .56" high
5. Lamp indicates measurement in μ Siemens (μ mhos)
6. Lamp indicates measurement in m Siemens (millemmhos)
7. Screw cell (span) calibration adjustment
8. 5 AMP fuse for accessory outlets.
9. 110V AC power cord with ground
10. Terminal strip for sensor
11. 110V AC outlet for pump or other accessory.
12. 970-0151-Submersible assembly. Includes sensor with 15' cable.

SELECT SCALE TO BE USED:

0-999 mSiemens	1 mS Resolution
0-99.9 mSiemens	0.1 mS Resolution
0-9.99 mSiemens	0.01 mS Resolution
0-999 μ Siemens	1 μ S Resolution

OPTIONAL ASSEMBLIES:

13. 960-0120-Poly Gland Fitting has 3/4" MPT to be used in T fitting for in line measurement. Does not include T fitting.
14. 970-0130-Insertion Electrode Assembly for mounting electrode through tank wall. Requires special electrode.

SPECIFICATIONS:

Cabinet:	Corrosion resistant and fire retardant Plastic with hinged, plexiglass window. 5"H X 5 1/4"W X 12"D
Power:	115 Vac 50/60 Hz, 230 Vac Optional
Sensor:	12mm Dia. X 5.5" Long.
Cable:	15" with BNC Connector.
Submersible Electrode Assembly:	2 1/2' Approx.
Poly Gland Fitting:	3/4' MNPT

DISTRIBUTOR: