

Ground Loop "Eliminator" Box



Eliminates "Ground loop" failures with pH and ORP electrode

Easy to use!

Replaceable batteries

Extends electrode life

Sensorex is pleased to announce a new series of problem solving products. The ground loop "Eliminator" is a stand-alone unit that will extend the life of *any* pH electrode suffering from electrical ground problems. The most common symptom is a system that calibrates and works fine outside of the tank or line. When the electrode is installed, the system reads incorrectly. Plastic tanks and piping are particularly susceptible because of poor earth grounding. Dirty motors from pumps or mixers, other electrical equipment and even conductivity probes leak voltage into the solution, which feeds through the pH electrode and electronic circuit. This leads to invalid readings and shortened electrode life.

The "Eliminator" combats these problems by utilizing a solution grounding probe and a battery powered ground interrupt circuit. Four "AAA" batteries power the unit and are user replaceable. Any pH electrode with a BNC connector may be coupled directly to the unit. An accessory solution ground probe is also required. Choices of solution ground probes include a model with a 1/2" OD epoxy body or one for in-line in a 2"L x 3/4"NPT nipple. Outlet connection requires an accessory cable assembly with a BNC connector. Sensorex also supplies an accessory cable that runs between the "Eliminator" and the customer's meter-controller. See the part numbering description below.

Another benefit of this product is it will allow for long cable runs up to 1000 feet, using standard cable and connectors. This is possible due to the low impedance output of the built-in amplifier circuit.

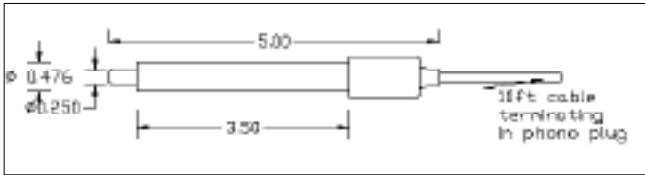
Specifications

Dimensions	3.1" L x 2.4" W x 1.6" H (see outline drawing on next page)
Power Requirements	4 each "AAA" batteries (replaceable)
Input	pH or ORP electrode with BNC connector
Output	mV unity gain <20,000ohm resistance

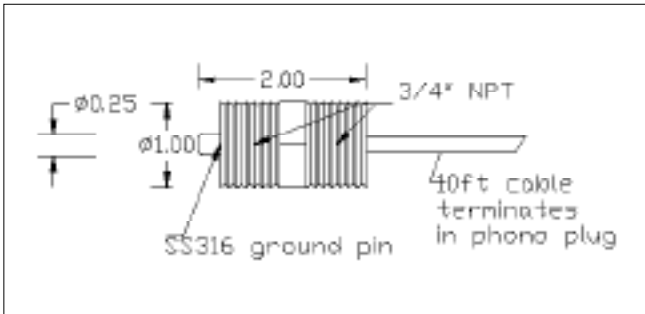
Parts covered by this product data sheet include:
GLE-1, GLE-275, GLE-1200, FC50P

Ground Loop "Eliminator" Box

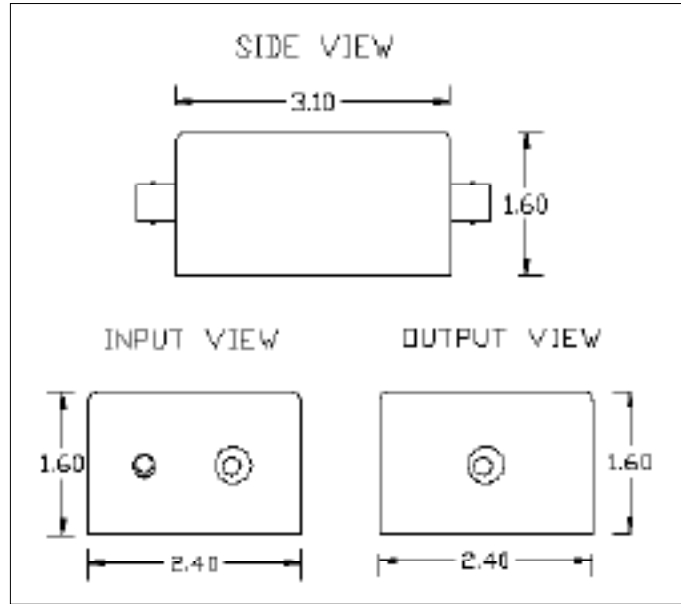
GLE-12100 GROUNDING ELECTRODE



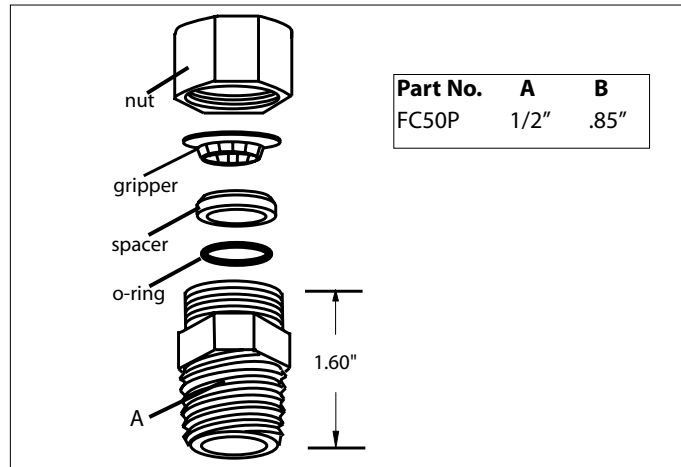
**GLE-275 GROUNDING ELECTRODE
IN 3/4" NPT NIPPLE**



GLE-1 GROUND LOOP ELIMINATOR



**FC50P FITTING TO INSTALL EPOXY BODY
CONDUCTIVITY ELECTRODES INTO 1/2"
THREADED TEES INTO 3/4" TEE**



Ordering Information

Part Number	Description
GLE-1	Ground Loop eliminator box. Requires grounding probe
GLE-275	Grounding probe, SS316 housed in 2" L x 3/4" NPT PVC nipple. Specify cable length in feet. Comes with 3.5 mm phono-plug for connection to GLE-1.
GLE-12100	Grounding probe, SS316 housed in 1/2" OD x 3.9" L (12mm100mm) Specify cable length in feet. Comes with 3.5mm phono-plug for connection to GLE-1
FC50P	1/2" NPT gland and nut fitting for in-line installation of GLE-12100 into 1/2" tee
Ext Cable	Extension cable from output of GLEBOX to meter or controller. Specify cable length and meter connection when ordering.