

ION/ORP Redox adapter

for the LogIT Microsense® system

Instructions



Overview

The Microsense® ION/ORP Redox adapter contains a high impedance DC amplifier with conditioning circuitry to enable a standard Redox potential electrode to be connected to a compatible LogIT Microsense® data logger or interface.

In Use

The range is calibrated to display -1250 to +1250 mV maximum. Zero volts will normally be within +/- 4 mV maximum which is more than adequate for most applications. However, if higher accuracy is required the zero point can be trimmed to absolute 0 mV using versions of software which have the Tare or recalibrate function built in. (eg. LogIT Lab and Insight.)

The adapter is fitted with a standard BNC socket which suits most available electrodes and adapters can be used to suit any other type of connector. The ION/ORP Redox adapter may also be used as a high impedance voltage adapter for connecting other sensors or equipment, but you should ensure the input voltage never exceeds +/- 1250 mV.

Please note that when no electrode is fitted the adapter will display random electrical 'noise' because of its high impedance input, this is quite normal.

Specifications

Range: -1250 to +1250 mV DC
Accuracy: +/- 1% nominal
Input impedance: > 10¹² Ohm

Care

Never apply greater than +/- 1.25 volts DC or *SERIOUS DAMAGE TO DATA LOGGER/INTERFACE & ADAPTER WILL RESULT.*

Never expose to liquid, condensation or extreme temperatures.

Protect from dirt and other foreign particles entering the sensor.

Do not attempt to disassemble - there are no user serviceable parts inside.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.

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