

# ORP Mini Controller

- Large Clear LCD
- Fire Retardant Casing
- BNC Connection
- Splash-Resistant Cover

The BL982411 is a compact, easy to handle, efficient, ORP process controller designed for applications where space or cost is important. The device may be used with any ORP electrode with a standard BNC connector. Users may choose from automatic or manual dosing modes allowing for easy maintenance and troubleshooting.

## Adjustable Dosing Relay

The BL982411 features a dosing relay which may be configured to dose above or below a user programmable mV setpoint.

## Selectable Overdose Protection

The mini controller may be programmed to deactivate a valve, pump, or connected device if its activation continues over a selected time; adjustable from 5 to 30 minutes.

## Relay Control Override

With the flick of a switch the mini controller's relay can be disabled (OFF), placed in control (AUTO), or be activated for manual operation (ON) which is useful for priming a dosing pump.

## Fuse Protected Dosing Contacts

The relay dosing contact is rated for up to a 2A load and is fuse protected.

## Easy Peripheral Connection

Quick-connect terminal blocks provide for easy connection to power, communication, dosing control, or sensors.

## Matching Pin Connection

A built-in matching pin helps protect the sensor from ground loop effects that may lead to erratic readings or system damage.



Specifications	BL982411
Range	0 to 1000 mV
Resolution	1 mV
Accuracy (@25°C/77°F)	±5 mV
Calibration	manual, with CAL trimmer
Dosing Relay	maximum 2A (fuse protected), 250 Vac, 30 VDC
Dosing Selection	reducing or oxidizing, selectable on the back panel contact open=reductant dosage=relay ON if measure > setpoint contact closed=oxidant dosage=relay ON if measure < setpoint
Setpoint	adjustable, from 0 to 1000 mV
Overtime	adjustable, from 5 to approximately 30 minutes
Input Impedance	10 <sup>12</sup> Ohm
Power Supply	BL982411-0: 12 VDC adapter (included); BL982411-1: 115/230 VAC; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Weight	BL982411-0: 200 g (7.1 oz.); BL982411-1: 300 g (10.6 oz.)
Ordering Information	<b>BL982411-0</b> (12 VDC) and <b>BL982411-1</b> (115/230 VAC) are supplied with mounting brackets, transparent cover and instruction manual.
Recommended Probe	<b>HI2001</b> PVDF body ORPelectrode with 1/2" NPT thread, BNC connector and 3 m (9.8') cable for continuous flow-thru monitoring (not included).