



BL932700

ORP Mini Controller

with 4-20 mA Recorder Output

- Large Clear LCD
- Fire Retardant Casing
- BNC Connection
- Splash-resistant cover

The BL932700 is a compact, 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. It's adjustable dosing relay may be configured to dose above or below a user programmable mV setpoint. Users may choose from automatic or manual dosing modes allowing for easy maintenance and troubleshooting.

Adjustable Dosing Relay

The BL932700 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.

Selectable Control Override

With the flick of a switch, normal "Auto" operation may be overridden turning your connected device "Off" from operation or always "On."

Analog Output Communication

The BL932700 features a 4 - 20 mA analog output for connection to a data logger, chart recorder, or other device.

External Disabling Feature

A normally open contact may connect to a level controller or flow monitor. This safety feature may be used to prevent continuous dosing in the event of specific or undesired system conditions.

Matching Pin Connection

An included matching pin option helps protect the sensor from ground loop effects that may lead to erratic readings or system damage.

Specifications	BL932700
Range	±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 -1000 to 1000 mV
Overtime	adjustable, typically from 5 to approximately 30 minutes
Recorder Output	4 to 20 mA, accuracy ±0.20 mA, 500 Ω maximum load
Input Impedance	10 ¹² Ohm
Power Supply	BL932700-0: 12 VDC adapter (included); BL932700-1: 115/230 VAC; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Weight	BL932700-0: 200 g (7.1 oz.) BL932700-1: 300 g (10.6 oz.)
Ordering Information	BL932700-0 (12 VDC) and BL932700-1 (115/230V) are supplied with mounting brackets, transparent cover and instruction manual.
Recommended Probe	HI2001 PVDF body ORPelectrode with 1/2" NPT thread, BNC connector and 3 m (9.8') cable for continuous flow-thru monitoring (not included).