

BL932700

ORP Mini Controller

with 4-20 mA Recorder Output

- Easy to handle
- Fire-retardant casing
- Selectable overdose protection system
- Splash-resistant cover



The BL932700 is an ORP mini controller that has been designed for easy, affordable installation in tight spaces, ideal for simple yet effective process control. As a result of its compact size, the BL932700 can be installed right next to tanks or vats.

This versatile controller is ideal for many applications, such as ORP monitoring of bleaching processes, wastewater treatment and swimming pools. The BL932700 permits automatic control of installations that were previously checked manually.

The instrument can be set for reducing or oxidizing dosage. Setpoint adjustment and calibration are simply performed through trimmers on the front panel. Users can choose automatic or manual dosing mode with a switch on the front panel. Manual control is particularly useful during maintenance operations, because it permits operators to enable or disable the dosing relay according to need.

The overtime control system advises users when the relay is active too long, helping to prevent overdosage. In addition, this model features a 4-20 mA analog output for recorder connection.

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).

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