

ORP Mini Controller with 4-20 mA Recorder Output



Specifications

	BL 932700-0	BL 932700-1
Range	±1000 mV	
Resolution	1 mV	
Accuracy (@20°C/68°F)	±5 mV	
Calibration	manual, with CAL trimmer	
Dosing Relay	1, max 2A (fuse protected), 250 Vac, 30 Vdc	
Dosing Selection	reducing or oxidizing contact open = reducing dosage; activated when reading exceeds setpoint value contact closed = oxidizing dosage; activated when reading falls below setpoint value	
Setpoint	adjustable from -1000 to 1000 mV	
Overtime	adjustable, typically from 5 to approx. 30 minutes	
Recorder Output	4-20 mA, accuracy ±0.20 mA, 500 Ohm max load	
Input Impedance	10 ¹² Ohm	
Power Supply	12 Vdc adapter (included)	115/230 Vac; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")	
Weight	200 g (7.1 oz.)	300 g (10.6 oz.)

Accessories

HI 7020L	200-275 mV test solution, 500 mL bottle	HI 7061L	Electrode cleaning solution, 500 mL bottle
HI 7022L	470 mV test solution, 500 mL bottle	HI 710005	115 Vac/12 Vdc power adapter
HI 7091L	Reducing solution, 500 mL	HI 710006	230 Vac/12 Vdc power adapter
HI 7092L	Oxidizing solution, 500 mL	HI 740146	Mounting brackets
HI 70300L	Electrode storage solution, 500 mL bottle		

For pH and ORP electrodes, see section E.

BL 932700 is an ORP mini controller that has been designed for easy, affordable installation in tight spaces, ideal for simple yet effective process control. Thanks to its compact size, BL 932700 can be installed right next to tanks or vats.

This versatile controller is ideal for use with many applications, such as ORP monitoring bleaching processes, waste water treatment and swimming pools.

BL 932700 permits automatic control of installations previously checked manually.

The instrument can be set for reducing or oxidizing dosage. It measures in the ±1000 mV range, with 1 mV resolution. Setpoint adjustment and calibration are simply performed through trimmers on the front panel.

You can also choose automatic or manual dosing mode with a switch on the front panel. Manual control is particularly useful during maintenance operations, because it permits you to enable or disable the dosing relay according to your need.

The overtime control system advises you when the relay is active for too long, helping to prevent overdosage.

In addition, this model feature a 4-20 mA analog output for recorder connection.

Two models are available, with power supply input at 115/230 Vac or 12 Vdc.

Ordering Information

BL 932700-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 932700-1 is supplied complete with mounting brackets, transparent cover and instructions.