

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 features 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.