

ORP Mini Controller

BL 982411 is an ORP mini controller for panel mounting, specially designed for swimming pools and spas.

Thanks to its compact size, BL 982411 can be installed in small spaces.

BL 982411 is the ideal solution for those who have always checked ORP manually. Thanks to the automatic dosing, this mini controller will significantly reduce maintenance time.

BL 982411 can be used with any ORP electrode with standard BNC connector. The instrument measures ORP in the 0 to 1000 mV range and shows the readings on the large display.

The status LED continuously indicates if the controller is in measurement, dosing or alarm mode.

BL 982411 is also provided with a relay for selecting the dosing direction, oxidizing or reducing.

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.



Specifications

| | BL 982411-0 | BL 982411-1 |
|-----------------------|--|----------------------|
| Range | 0 to 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 0 to 1000 mV | |
| Overtime | adjustable, typically from 5 to approx. 30 minutes | |
| 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.

Ordering Information

BL 982411-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 982411-1 is supplied complete with mounting brackets, transparent cover and instructions.