

Mini Controllers: BL 931700



pH Mini Controller with 4-20 mA Recorder Output

- Ideal for a wide variety of applications
- Easy installation in tight spaces
- Selectable dosing setpoint

BL 931700 mini pH controller has been designed for easy, affordable installation in tight spaces to perform simple yet effective process control. Thanks to its compact size, BL 931700 can be installed right next to tanks or vats. This versatile controller is ideal for a wide variety of applications, such as textiles, papers, photographic solutions, plating baths, chemicals and water treatment. BL 931700 is provided with a selectable setpoint for acid or basic dosage. Measurements are directly acquired from a pH electrode in the range from 0 to 14 with a 0.01 pH resolution. Accuracy is ensured by the 2 point calibration, performed manually 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 overdosing. In addition, this model features a 4-20 mA analog output for recorder connection. Two models are available, with different power supply input at 115/230 Vac or 12 Vdc.

BL 931700-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions. BL 931700-1 is supplied complete with mounting brackets, transparent cover and instructions.

Available Accessories:

- HI 7004L pH 4.01 cal sol, 500 mL
- HI 7007L pH 7.01 cal sol, 500 mL
- HI 7010L pH 10.01 cal sol, 500 mL
- HI 70300L Electrode storage sol, 500 mL
- HI 7061L Electrode cleaning sol, 500 mL
- HI 710005 115 Vac/12 Vdc power adapter
- HI 710006 230 Vac/12 Vdc power adapter
- HI 740146 Mounting brackets

Specifications:

Range	0.00 to 14.00 pH
Resolution	0.01 pH
Accuracy (@20°C/68°F)	±0.02 pH
Accuracy (@20°C/68°F)	manual, 2 point, with offset and slope trimmers
Dosing Relay	1, max 2A (fuse protected), 250 Vac, 30 Vdc
Dosing Selection	acid or alkaline
Setpoint	adjustable from 0.00 to 14.00 pH
Overtime	adjustable, typically from 5 to approx. 30 minutes
Recorder Output	4-20 mA, accuracy ±0.20 mA, 500 Ohm max load
Input Impedance	1012 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.)