

pH Mini Controller

The BL 981411 pH controller has been designed for easy, affordable installation in tight spaces, ideal for simple yet effective process control. The unit is provided with differential pH input and can be used with any pH electrode with standard BNC connector.

Measurements are clearly displayed on the large LCD, while the status LED indicates operating mode.

BL 981411 is also provided with a dosing relay. Selecting acid dosing, will cause the relay to activate when measurement is higher than setpoint. If the basic dosing is selected, the relay is activated when the reading falls below the setpoint.

Setpoint adjustment (from 0 to 14 pH) and calibration procedures are easily performed with trimmers on the front panel.

You can also choose from automatic or manual dosing modes 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.

An overtime control system advises you when the relay is active for too long, to help prevent overdosing.

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



Specifications

	BL 981411-0	BL 981411-1
Range	0.0 to 14.0 pH	
Resolution	0.1 pH	
Accuracy (@20°C/68°F)	±0.1 pH	
Calibration	manual, with offset trimmer	
Dosing Relay	1, max 2A (fuse protected), 250 Vac, 30 Vdc	
Dosing Selection	acid or alkaline contact open = acid dosage; activated when reading exceeds setpoint value contact closed = alkaline dosage; activated when reading falls below setpoint value	
Setpoint	adjustable from 0.0 to 14.0 pH	
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.)

Ordering Information

BL 981411-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 981411-1 is supplied complete with mounting brackets, transparent cover and instructions.

Accessories

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

For pH and ORP electrodes, see section E.