

# pH Mini Controller

- Easy to handle
- Fire-retardant casing
- Selectable overdose protection system
- Splash-resistant cover

The BL981411 pH controller has been designed for easy, affordable installation in tight spaces, ideal for simple and effective process control. The unit is provided with high impedance pH input and can be used with any pH electrode with a standard BNC connector. Measurements are clearly displayed on the LCD, while the status LED indicates operating mode.

The BL981411 is also provided with a dosing relay. Selecting acid dosing will cause the relay to activate when the pH reading is higher than the setpoint. If the basic dosing is selected, the relay is activated when the pH reading falls below the setpoint.

Setpoint adjustment (from 0 to 14 pH) and calibration procedures are easily performed with trimmers on the front panel. Users can 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 operators to enable or disable the dosing relay according to need. An overtime control system advises users when the relay is active too long, to help prevent overdosing.



## Specifications

## BL981411

Range	0.0 to 14.0 pH
Resolution	0.1 pH
Accuracy (@25°C/77°F)	±0.2 pH
Calibration	manual, through CAL (offset) trimmer
Dosing Relay	maximum 2A (fuse protected), 250 Vac, 30 VDC
Dosing Selection	acid or alkaline contact open=acid dosage=relay ON if measurement > setpoint contact closed=alkaline dosage=relay ON if measurement < setpoint
Setpoint	adjustable from 0 to 14 pH
Overtime	adjustable, typically from 5 to approximately 30 minutes
Input Impedance	10 <sup>12</sup> Ohm
Power Supply	BL981411-0: 12 VDC adapter (included); BL981411-1: 115/230 VAC; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Weight	BL981411-0: 200 g (7.1 oz.); BL981411-1: 300 g (10.6 oz.)
Ordering Information	<b>BL981411-0</b> (12 VDC) and <b>BL981411-1</b> (115/230V) are supplied with mounting brackets, transparent cover and instruction manual.
Recommended Probe	<b>HI1001</b> PVDF body pH electrode with 1/2" NPT thread, BNC connector and 3 m (9.8') cable for continuous flow-thru monitoring (not included).

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