

BL981411

## pH Mini Controller

- Large Clear LCD
- Fire Retardant Casing
- BNC Connection
- Splash-resistant cover

The BL981411 is a compact, pH process controller designed for applications where space or cost is important. The device contains a high impedance pH input and may be used with any pH electrode with a standard BNC connector. It's adjustable dosing relay may be configured to dose above or below a user programmable pH setpoint. Users may choose from automatic or manual dosing modes allowing for easy maintenance and troubleshooting.

### Adjustable Dosing Relay

The BL981411 features a dosing relay which may be configured to dose above or below a user programmable pH setpoint.

### Selectable Overdose Protection

The mini controller may be programmed to deactivate a valve, pump, or connected device if its activation continues over a selected time; adjustable from 5 to 30 minutes.

### Selectable Control Override

With the flick of a switch, normal "Auto" operation may be overridden turning your connected device "Off" from operation or always "On."

### Fuse Protected Dosing Contacts

The mini controller is protected for up to a 2A load from a connected pump or device.

### Easy Peripheral Connection

Quick-connect terminal blocks provide for easy connection to power, communication, dosing control, or sensors.

### Matching Pin Connection

An included matching pin option helps protect the sensor from ground loop effects that may lead to erratic readings or system damage.



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).