

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 and/or cost are important. The device contains a high impedance pH input and may be used with any pH electrode with a standard BNC connector. 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.

Relay Control Override

With the flick of a switch the mini controller's relay can be disabled (OFF), placed in control (AUTO), or be activated for manual operation (ON) which is useful for priming a dosing pump.

Fuse Protected Dosing Contacts

The relay dosing contact is rated for up to a 2A load and is fuse protected.

Easy Peripheral Connection

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

Matching Pin Connection

A built-in matching pin 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, from 5 to approximately 30 minutes
Input Impedance	10 ¹² 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	BL981411-0 (12 VDC) and BL981411-1 (115/230 VAC) are supplied with mounting brackets, transparent cover and instruction manual.
Recommended Probe	HI1001 PVDF body pH electrode with 1/2" NPT thread, BNC connector and 3 m (9.8') cable for continuous flow-thru monitoring (not included).