

BL983318

TDS Mini Controllers

0 to 10,000 ppm

- Fire-retardant casing
- Selectable overdose protection system
- Splash-resistant cover

The BL983318 is a mini controller that has been designed for easy, affordable installation in tight spaces, ideal for simple yet effective process control.

The BL983318 features automatic temperature compensation and simple one-point calibration performed through the trimmer.

The multi-colored LED continuously indicates if the controller is in measurement, dosing, or alarm mode.

Wiring and external device connections are extremely simple to perform through the terminals on the rear of the instrument.

Users can choose automatic or manual dosing mode 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.

The overtime control system advises users when the relay is active too long, helping to prevent overdosage.



Specifications

BL983318

Range	0.00 to 10.00 g/L (ppt)
Resolution	0.01 g/L (ppt)
Accuracy (@25°C/77°F)	±2% F.S.
TDS Conversion Factor	0.5
Temperature Compensation	automatic from 5 to 50°C (41 to 122°F) with $\beta=2\%/^{\circ}\text{C}$
Calibration	manual, with CAL trimmer
Dosing Relay	maximum 2A (fuse protected), 250 Vac, 30 VDC contact closed when measure > setpoint
Setpoint	adjustable from 0 to 10 ppt (g/L)
Overtime	adjustable, typically from 5 to approximately 30 minutes
Power Supply	BL983318-0: 12 VDC adapter (included) BL983318-1: 115/230 VAC; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Weight	BL983318-0: 200 g (7.1 oz.) BL983318-1: 300 g (10.6 oz.)
Ordering Information	BL983318-0 (12 VDC) and BL983318-1 (115/230V) are supplied with mounting brackets, transparent cover and instruction manual.
Recommended Probe	HI7632-00 EC/TDS probe with internal temperature sensor and 2 m (6.6') cable (not included).