

TDS (Total Dissolved Solids) Mini Controllers Measuring up to 10,000 ppm



BL 983318 is a mini controller that has been designed for easy, affordable installation in tight spaces, ideal for simple yet effective process control.

BL 983318 is provided with ATC (Automatic Temperature Compensation) and simple calibration is performed at 1 point through trimmer.

The multicolor 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.

You can also choose automatic or manual dosing mode 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.

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

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

Specifications

	BL 983318-0	BL 983318-1
Range	0.00 to 10.00 ppt (0 to 10,000 ppm)	
Resolution	0.01 ppt (10 ppm)	
Accuracy (@20°C/68°F)	±2% f.s.	
TDS Conversion Factor	0.5	
Probe (not included)	HI 7632-00	
Temperature Compensation	automatic, 5 to 50°C (41 to 122°F) with $\beta=2\%/^{\circ}\text{C}$	
Calibration	manual, with CAL trimmer	
Dosing Relay	1, max 2A (fuse protected), 250 Vac, 30 Vdc contact closed when reading exceeds setpoint value	
Setpoint	adjustable from 0 to 10 ppt (10,000 ppm)	
Overtime	adjustable, typically from 5 to approx. 30 minutes	
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.)

Note: 1ppt = 1000 ppm

Accessories

HI 7632-00	EC/TDS probe with internal temperature sensor and 2 m cable	HI 7061L	Cleaning solution, 500 mL
HI 7038L	6.44 ppt (6440 ppm) calibration solution, 500 mL bottle	HI 710005	115 Vac/12 Vdc power adapter
		HI 710006	230 Vac/12 Vdc power adapter
		HI 740146	Mounting brackets

Ordering Information

BL 983318-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983318-1 is supplied complete with mounting brackets, transparent cover and instructions.