

TDS (Total Dissolved Solids) Mini Controllers

These instruments have been designed for TDS control in hydroponics, horticulture and water conditioning.

Thanks to their compact size, they can be mounted in confined spaces or even right next to the vat or barrel containing the chemicals.

These meters permit automatic control of installations previously checked manually.

Readings are shown on the large display and the multicolored LED continuously indicates if the minicontroller is in measurement, dosing or alarm mode.

BL 983315 can control TDS from 0.0 to 199.9 ppm, **BL 983319** from 0 to 1999 ppm, **BL 983321** from 0.00 to 19.99 ppm and **BL 983329** from 0 to 999 ppm.

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.

Models are available with power supply input at 115/230 Vac or 12 Vdc.

Ordering Information

BL 983315-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983315-1 is supplied complete with mounting brackets, transparent cover and instructions.

BL 983319-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983319-1 is supplied complete with mounting brackets, transparent cover and instructions.

BL 983321-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983321-1 is supplied complete with mounting brackets, transparent cover and instructions.

BL 983329-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983329-1 is supplied complete with mounting brackets, transparent cover and instructions.



Specifications

	BL 983315	BL 983319	BL 983321	BL 983329
Range	0.0 to 199.9 ppm	0 to 1999 ppm	0.00 to 19.99 ppm	0 to 999 ppm
Resolution	0.1 ppm	1 ppm	0.01 ppm	1 ppm
Accuracy (@20°C/68°F)	±2% f.s.			
TDS Conversion Factor	0.5	0.65	0.5	0.5
Probe (not included)	HI 7634-00			
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 close when reading			
Setpoint	exceeds setpoint adjustable from 0 to 199.9 ppm	falls below setpoint adjustable from 0 to 1999 ppm	exceeds setpoint adjustable from 0 to 19.99 ppm	exceeds setpoint adjustable from 0 to 999 ppm
Overtime	adjustable, typically from 5 to approx. 30 minutes			
Power Supply	models "-0": 12 Vdc adapter (included) models "-1": 115/230 Vac; 50/60Hz			
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")			
Weight	models "-0": 200 g (7.1 oz.) / models "-1": 300 g (10.6 oz.)			

Accessories

HI 7634-00	EC/TDS probe with internal temperature sensor and 2 m cable	HI 7061L	Cleaning solution, 500 mL
HI 7032L	1382 ppm calibration solution, 500 mL bottle	HI 710005	115 Vac/12 Vdc power adapter
HI 70442L	1500 ppm calibration solution, 500 mL bottle	HI 710006	230 Vac/12 Vdc power adapter
		HI 740146	Mounting brackets