



BL983315 • BL983319
BL983321 • BL983329

TDS Mini Controllers

- Adjustable overtime control
- Fire-retardant casing
- Selectable overdose protection system
- Splash-resistant cover

These instruments have been designed for TDS control in hydroponics, horticulture and water conditioning. Compact in 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 that were previously checked manually.

Readings are shown on the display and the multi-colored LED continuously indicates if the mini controller is in measurement, dosing, or alarm mode.

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 your need.

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

| Specifications | BL983315 | BL983319 | BL983321 | BL983329 |
|-----------------------------|--|--------------------------------------|---------------------------------------|-------------------------------------|
| Range | 0.0 to 199.9 mg/L (ppm) | 0 to 1999 mg/L (ppm) | 0.00 to 19.99 mg/L (ppm) | 0 to 999 mg/L (ppm) |
| Resolution | 0.1 mg/L (ppm) | 1 mg/L (ppm) | 0.01 mg/L (ppm) | 1 mg/L (ppm) |
| Accuracy (@25°C/77°F) | ±2% F.S. | ±2% F.S. | ±2% F.S. | ±2% F.S. |
| TDS Conversion Factor | 0.5 | 0.65 | 0.5 | 0.5 |
| Dosing Relay | maximum 2A (fuse protected), 250 Vac, 30 VDC Contact close when measure: | | | |
| | > setpoint | < setpoint | > setpoint | > setpoint |
| Setpoint | adjustable from 0 to 199.9 mg/L (ppm) | adjustable from 0 to 1999 mg/L (ppm) | adjustable from 0 to 19.99 mg/L (ppm) | adjustable from 0 to 999 mg/L (ppm) |
| Temperature Compensation | automatic from 5 to 50°C (41 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$ | | | |
| Calibration | manual, with CAL trimmer | | | |
| Overtime | adjustable, typically from 5 to approximately 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.) | | | |
| Ordering Information | BL983315-0 (12 VDC), BL983315-1 (115/230V), BL983319-0 (12 VDC), BL983319-1 (115/230V), BL983321-0 (12 VDC), BL983321-1 (115/230V), BL983329-0 (12 VDC) and BL983329-1 (115/230V) are supplied with mounting brackets, transparent cover and instruction manual. | | | |
| Recommended Probe | HI7634-00 EC/TDS probe with internal temperature sensor and 2 m (6.6') cable (not included). | | | |

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