BL983324
# TDS Mini Controllers

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

The BL983324 is a panel-mounted TDS controller, designed for easy installation, configuration and maintenance.

The meter is provided with a dosing relay that is activated when the TDS reading exceeds the setpoint value.

Measurements are compensated for temperature variations and are shown on the display automatically.

A multi-colored LED on the front panel continuously indicates if the mini 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 operators when the relay is active too long, helping to prevent overdosage.
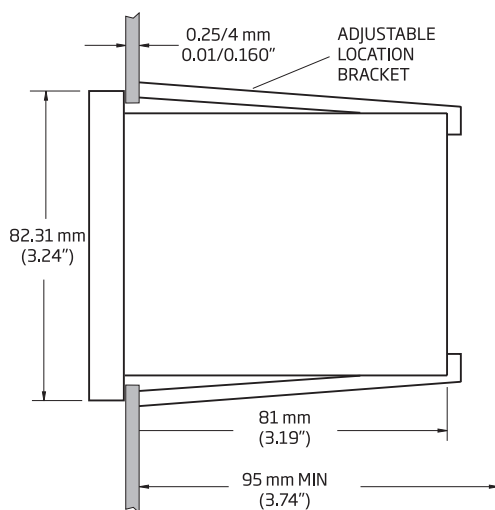
| Specifications | BL983324 |
|---|---|
| Range | 0.0 to 49.9 mg/L (ppm) |
| Resolution | 0.1 mg/L (ppm) |
| Accuracy (@25°C/77°F) | ±2% F.S. |
| TDS Conversion Factor | 0.5 |
| Temperature Compensation | automatic from 5 to 50°C (41 to 122°F) with β=2%/°C |
| Calibration | manual, with CAL trimmer |
| Dosing Relay | maximum 2A (fuse protected), 250 Vac, 30 VDC contact closed when measure > setpoint |
| Setpoint | adjustable from 0 to 49.9 mg/L (ppm) |
| Overtime | adjustable, typically from 5 to approximately 30 minutes |
| Power Supply | BL983324-0: 12 VDC adapter (included) BL983324-1: 115/230 VAC; 50/60Hz |
| Dimensions | 83 x 53 x 99 mm (3.3 x 2.1 x 3.9") |
| Weight | BL983324-0: 200 g (7.1 oz.) BL983324-1: 300 g (10.6 oz.) |
| **Ordering Information** | **BL983324-0** (12 VDC) and **BL983324-1** (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). |

HANNA instruments

# Hanna Mini Controllers
## BL Series Mechanical Dimensions



0.25/4 mm
0.01/0.160"

ADJUSTABLE
LOCATION
BRACKET

82.31 mm
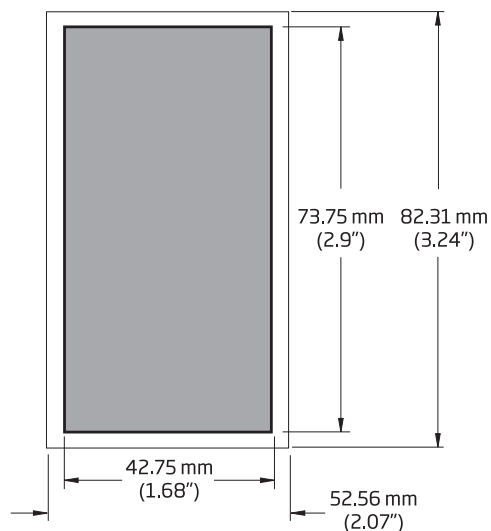(3.24")

81 mm
(3.19")

95 mm MIN
(3.74")

### Side View

Side view of panel-mounted controllers.

Adjustable location brackets allow the controller to slide into the cutout and will hold the unit securely in place.
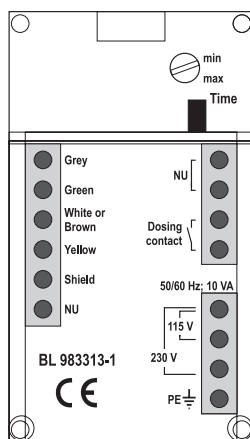
130 or 87 mm (depending on model) is the minimum amount of room required to install the meter with all wiring.



73.75 mm
(2.9")

82.31 mm
(3.24")

42.75 mm
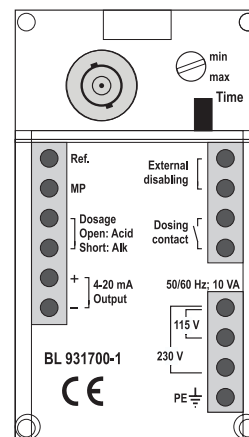(1.68")

52.56 mm
(2.07")





### Front View

Front view of the panel-mounted units.

Dimensions show the cutout size for installation and also the outside dimensions of the panel.

### Rear View

Rear view of the BL983313-1 with electrical connections.

### Rear View

Rear view of the BL931700-1 with electrical connections.