



TDS Mini Controller (0 to 1999 ppm) – BL983319-2 | 115/230VAC, Output: 4-20 mA

Description

This compact, panel mounted, process controller is ideal for measuring total dissolved solids (TDS) of a process stream. This controller features a large LCD with protective cover. Users may choose from automatic or manual dosing modes.

When in automatic mode, the dry contact relay is activated when a reading is below the set point. The relay can be used to supply power to a dosing pump to add fertilizer to a nutrient solution in order to maintain an ideal concentration.

BL983319 uses a 0.65 conversion factor in which 100 μ S/cm = 65 ppm.

- Model available with 4-20 mA galvanic isolated output with external dosing disable contact
- Large Clear LCD
- Fire Retardant Casing
- Splash-Resistant Cover

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Adjustable Dry Contact Dosing Relay

The BL983319 features a dosing relay that is activated when the reading is below a user programmable set point.

Programmable Overdose Protection

For enhanced safety the mini controller can be programmed to deactivate the dosing relay if the set point is not reached within a specified time interval. The overdosing timer is programmable from 5 to 30 minutes or disabled.

Relay Control Override

With the flick of a switch the mini controller’s relay can be disabled (Off), placed in control (Auto), or be activated for manual operation (On) which is useful for priming a dosing pump.

Multicolor LED Indicator

Multicolor LED indicator allows an operator to quickly check the status of the controller.

- Green = Meter in measurement mode and reading is below the set point.
- Orange/Yellow = Reading is above the set point and the relay is activated.
- Blinking Red = Indicates an alarm condition such as when the maximum dosing time has been exceeded.

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Fuse Protected Dosing Contacts

The relay dosing contact is rated for up to a 2A load and is fuse protected.

Labeled Termination Connections

Quick-connect terminal blocks are clearly labeled for easy connection to power, conductivity probe and relay that can be used to operate a dosing pump, valve, audible alarm, or light.

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1/2" NPT Male Threaded Amperometric Probe for Mounting In-line*

The BL983319 mini controller uses the [HI7634](#) conductivity probe that is available with different cable lengths.

***HI7634 is not included and must be ordered separately**

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