

TDS Mini Controller (0 to 1999 ppm) – BL983319-1 | 115/230VAC

SKU: BL 983319-1

RESUMEN

The **BL983319** is a compact, panel mounted, process controller for measuring total dissolved solids (TDS) in a process stream that is within the 0 to 1999 ppm (mg/L) range. The device 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. *The BL983319 uses a 0.65 conversion factor in which 100 μ S/cm = 65 ppm.?

Multicolor LED Indicator

LED changes color based on status.

Fire Retardant Casing

For additional safety the controllers outer case is made of fire resistant plastic.

Splash Resistant Cover

A clear plastic cover protects the face panel from dirt and liquids.

DESCRIPCIÓN

BL983319

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.

BL983319

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.

HI7634

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**

CARACTERÍSTICAS

Intervalo	0 a 1999 ppm (mg/L)
Resolución	1 mg/L (ppm)
Exactitud (@ 25°C / 77°F)	± 2% escala completa
Factor de conversión de TDS	0.65
Calibración	Manual, con perilla CAL
Relé dosificador	Máximo 2A ??(protección con fusible), 250 VCA, 30 VCD
Selección de dosificación	Contacto cerrado cuando medición <valor nominal
Punto de ajuste	Ajustable de 0 a 1999 ppm (mg/L)
Protección contra sobre dosificación	Regulable, típicamente de 5 a aproximadamente 30 minutos
Compensación de temperatura	Automático de 5 a 50°C (41 a 122°F) con beta = 2%/°C
Fuente de alimentación	Modelos "-0": Adaptador de 12 VCD (incluido) Modelos "-1": 115/230 VCA; 50/60Hz
Dimensiones	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Peso	Modelos "-0": 200 g (7.1 onzas) Modelos "-1": 300 g (10.6 onzas)
Información para ordenar	El BL983319-1 (115/230 VCA) y el BL983319-0 (12 VDC) se suministran con soportes de montaje, cubierta transparente y manual de instrucciones.