

# 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  $100 \mu\text{S}/\text{cm} = 65 \text{ ppm}$ .

### 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

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