

TDS Mini Controller (0.0 to 49.9 ppm) – BL983324-12VDC

SKU: BL 983324-0

RESUMEN

The **BL983324** is a compact, panel mounted, process controller for measuring total dissolved solids (TDS) of a process stream that is within the 0.0 to 49.9 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 **above the set point**. The relay can be used to supply power to a dosing pump or a solenoid connected to a valve. The BL983324 can also be used to monitor the quality of water produced from ion exchange, reverse osmosis (RO) or distillation. *The BL983324 uses a 0.5 conversion factor in which 1.0 μ S/cm = 0.5 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

BL983324

Adjustable Dry Contact Dosing Relay

The BL983324 features a dosing relay that is activated when the reading is above 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.

BL983324

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 BL983324 mini controller uses the [HI7634](#) conductivity probe that is available with different cable lengths.

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

CARACTERÍSTICAS

Código	BL983324-0
Intervalo de TDS	0.0 a 49.9 mg/L (ppm)
Resolución de TDS	0.1 mg/L (ppm)
Exactitud de TDS (@25°C/77°F)	±2% de la escala completa.
Factor de conversión de TDS	0.5
Compensación de temperatura	automática de 5 a 50°C (41 a 122°F) con $\beta=2\%/^{\circ}\text{C}$
Calibración	manual, con potenciómetro CAL
Relevador de dosificación	máximo 2A (protegido por fusible), 250 VCA, 30 VCD, el contacto cierra cuando la medición > punto de ajuste
Punto de ajuste	ajustable de 0 a 49.9 mg/L (ppm)
Tiempo de sobredosificación	ajustable, típicamente de 5 a aproximadamente 30 minutos
Alimentación eléctrica	BL983324-0: adaptador de 12 VCD (incluido) BL983324-1: 115/230 VCA; 50/60Hz
Dimensiones	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Peso	BL983324-0: 200 g (7.1 oz.) BL983324-1: 300 g (10.6 oz.)
Información para ordenar	Se suministra con soportes de montaje, cubierta transparente y manual de instrucciones.
Sonda recomendada	Sonda de CE/TDS HI7634-00 con sensor interno de temperatura y 2 m (6.6') de cable (no incluido).