BL983313 • BL983320 • BL983322

EC Mini Controllers

Measuring in µS/cm

- Large Clear LCD
- Fire Retardant Casing
- Splash-resistant cover

These compact, panel mounted, process controllers are for meas
electrolytic conductivity (EC) of a process stream. Users may ch
from automatic or manual dosing modes. When in automatic mod
dry contact relay is activated when a reading is above the set poi

HI983313's relay can be used to activate a dosing pump or a sol
that controls a valve. HI983313 is Ideal for source water or
water applications.

BL983320's relay can be used to activate a solenoid that swi
from one DI (deionized) tank to another or to open a valve that will
lower EC water to flow into a tank being monitored in order to l
its EC. The BL983320 can also be used to monitor the quality of v
produced from ion exchange, reverse osmosis (RO) or distillation.

BL983322's relay can be used to activate a solenoid that swi
from one DI (deionized) tank to another or to open a valve tha
allow lower EC water to flow into a tank being monitored in orc
lower its EC. The BL983322 can also be used to monitor the qual
water from DI tanks or from a distillation apparatus.

Adjustable Dry Contact Dosing Relay

These mini controllers feature 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.

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.

Specifications	BL983313	BL983320	BL983322
Range	0 to 1999 µS/cm	0.0 to 199.9 µS/cm	0.00 to 19.99 µS/cm
Resolution	1 µS/cm	0.1 µS/cm	0.01 µS/cm
Accuracy (@25°C/77°F)	±2% F.S.	±2% F.S.	±2% F.S.
Setpoint	adjustable from 0 to 1999 µS/cm	adjustable from 0 to 199.9 µS/cm	adjustable from 0 to 19.99 µS/cm
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		
Overtime	adjustable, typically from 5 to approximately 30 minutes		
Power Supply	models "-0": 12 VDC adapter (included) models "-1": 115/230 VAC; 50/60Hz		
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")		
Weight	models "-0": 200 g (7.1 oz.) models "-1": 300 g (10.6 oz.)		
Ordering Information	**BL983313-0** (12 VDC), **BL983313-1** (115/230V), **BL983320-0** (12 VDC), **BL983320-1** (115/230V), **BL983322-0** (12 VDC) and **BL983322-1** (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).		

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