



Conductivity Mini Controllers Measuring in mS/cm

BL 983317 and BL 983327 are panel mounted mini controllers with an output relay, that have been designed for easy, affordable installation in tight spaces, ideal for simple yet effective process control.

They are provided with automatic compensation for variations in temperature. The probe is easy-to-clean and requires very little maintenance.

The calibration is performed at 1 point, through a trimmer.

All wiring and connections to external devices are done through the terminals on the rear panel.

The multicolor LED continuously indicates if the controller is in measurement, dosing or alarm mode.

You can also choose automatic or manual dosing mode with a switch on the front panel. Manual control is particularly useful during maintenance operations, because it permits you to enable or disable the dosing relay according to your need.

The overtime control system advises you when the relay is active for too long, helping to prevent overdosage.

Models are available with power supply input at 115/230 Vac or 12 Vdc.

Specifications

	BL 983317	BL 983327
Range	0.00 to 10.00 mS/cm	
Resolution	0.01 mS/cm	
Accuracy (@20°C/68°F)	±2% f.s.	
Probe (not included)	HI 7632-00	
Temperature Compensation	automatic, 5 to 50°C (41 to 122°F) with $\beta=2\%/^{\circ}\text{C}$	
Calibration	manual, with CAL trimmer	
Dosing Relay	1, max 2A (fuse protected), 250 Vac, 30 Vdc contact closed when reading falls below setpoint value	contact closed when reading exceeds setpoint value
Setpoint	adjustable from 0 to 10 mS/cm	
Overtime	adjustable, typically from 5 to approx. 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.)	

Accessories

HI 7632-00	EC/TDS probe with internal temperature sensor and 2 m cable	HI 7061L	Cleaning solution, 500 mL
HI 7031L	1.41 mS/cm calibration solution, 500 mL bottle	HI 710005	115 Vac/12 Vdc power adapter
HI 7039L	5.00 mS/cm calibration solution, 500 mL bottle	HI 710006	230 Vac/12 Vdc power adapter
		HI 740146	Mounting brackets

Ordering Information

BL 983317-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983317-1 is supplied complete with mounting brackets, transparent cover and instructions.

BL 983327-0 is supplied complete with mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983327-1 is supplied complete with mounting brackets, transparent cover and instructions.