



Specifications

	BL 983314-0	BL 983314-1
Range	0.00 to 19.90 M Ω /cm	
Resolution	0.10 M Ω /cm	
Accuracy (@20°C/68°F)	±2% f.s.	
Probe (included)	HI 3314	
Temperature Compensation	automatic and linear, 5 to 50°C (41 to 122°F)	
Temperature Coefficient	β =2.4 ; 3.5 ; 4.5 %/°C selectable through jumper on the rear panel	
Calibration	factory calibrated	
Dosing Relay	1, max 2A (fuse protected), 250 Vac, 30 Vdc contact closed when reading falls below setpoint value	
Setpoint	adjustable from 0 to 19.90 M Ω /cm	
Overtime	adjustable, typically from 5 to approx. 30 minutes	
Power Supply	12 Vdc adapter (included)	115/230 Vac; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")	
Weight	200 g (7.1 oz.)	300 g (10.6 oz.)

Accessories

HI 3314	Resistivity probe	HI 710006	230 Vac/12 Vdc power adapter
HI 710005	115 Vac/12 Vdc power adapter	HI 740146	Mounting brackets

BL 983314 is a simple-to-operate resistivity controller designed for ultrapure water, R.O., and water conditioning applications. The BL 983314 resistivity controller is also ideal for continuous monitoring of process solutions. Setpoint and calibration are manually adjusted with a trimmer and the alarm relay allows for simple control.

Readings are automatically temperature compensated, with three different coefficients (β =2.4, 3.5 or 4.5 %/°C). The alarm contact can be used for connection to an alarm, pump, solenoid or dosing system.

The relay contact is open when readings are higher than the setpoint (+Hysteresis), while for measurements lower than setpoint (-Hysteresis), the relay contact is closed. The Hysteresis is typically 0.20 M Ω /cm around the setpoint.

Measurements are displayed on the large LCD and the multicolored 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.

Two models are available, with power supply input at 115/230 Vac or 12 Vdc.

Ordering Information

BL 983314-0 is supplied with HI 3314 probe, mounting brackets, transparent cover, 12 Vdc power adapter and instructions.

BL 983314-1 is supplied with HI 3314 probe, mounting brackets, transparent cover and instructions.