

pH Controller and Pump



- pH controller and dosing pump in one compact unit.
- ± 0.01 pH accuracy with unbeatable performance.
- Isolated 4 to 20 mA recorder output.
- Proportional dosing slows the pump down when the measured pH level approaches the set value which ensures precise dosage and avoids costly waste of chemicals due to overdosage.
- Alarm contact is activated whenever the pH value varies more than 2 pH units from the set point.
- Auxiliary contacts allow the user to attach a mixer or priming pump that is activated only when the pump is dosing.
- Kynar[®], Viton[®] and Teflon[®] materials are used for all parts that come into contact with liquid.

Specifications

	BL 7916D	BL 7916U
Range	0.00 to 14.00 pH	
Resolution	0.01 pH	
Accuracy (@20°C/68°F)	± 0.01 pH	
Flow Rate	see table on page T1.50	
Input Impedance	10^{12} Ohm	
Dosage	proportional, acid or base, user selectable	
Calibration	offset: ± 1 pH with trimmer; slope: 85 to 115% with trimmer	
Recorder Output	4-20 mA (isolated)	
Dosing Contact	1 isolated contact, 2A, Max. 240V, resistive load, 1,000,000 strokes	
Alarm Contact	1 isolated contact, 2A, Max. 240V, resistive load, 1,000,000 strokes	
Power Supply	220/240V $\pm 15\%$; 50/60Hz (40W)	110/115V $\pm 15\%$; 50/60Hz (40W)
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Dimensions	181 x 221 x 142 mm (7.1 x 8.7 x 5.6")	
Weight	5 kg (11 lb.)	

Accessories

HI 721101	Pumphead, O-ring and screws	HI 7010L	pH 10.011 buffer solution, 500 mL bottle
HI 721102	Discharge valve assembly	HI 767/P	Power plug (5 pcs.)
HI 721103	Suction valve assembly	HI 7671/P	Output plug (5 pcs.)
HI 721004	Injection valve assembly (required)	HI 8427	pH / ORP electrode simulator
HI 721005	Foot valve assembly (required)	HI 931001	pH / ORP electrode simulator with display
HI 721008	Ceramic weight (4 pcs.)		
HI 7004L	pH 4.01 buffer solution, 500 mL bottle		
HI 7007L	pH 7.011 buffer solution, 500 mL bottle		

Ordering Information

BL 7916D is supplied with discharge and suction valves, polyethylene tubing, 220/240V power cable and instructions.

BL 7916U is supplied with discharge and suction valves, polyethylene tubing, 110/115V power cable and instructions.

For accessories, see section U.

For a complete range of calibration, cleaning and maintenance solutions, see section F.