BL7917

ORP Controller and Pump

Black Stone by Hanna

- ORP controller and dosing pumps
- ±5 mV accuracy
- Isolated 4 to 20 mA recorder output.
- Proportional dosing
  - Slows the pump down when the measured ORP level approaches the set value, to avoid over dosage of oxidizing or reducing agents.
- Alarm contact
  - Is activated whenever the ORP reading varies more than 200 mV from the setpoint.
- Auxiliary contacts
  - Allow users to attach a mixer or priming pump that is activated only when the pump is dosing
- PVDF, FPM/FKM and PTFE materials
  - are used for all parts that come into contact with liquid.

Specifications	BL7917
Range	-999 mV to +999 mV
Resolution	1 mV
Accuracy (@20°C/68°F)	±5 mV
Flow Rate	see table
Input Impedance	10^{12} Ohm
Dosage	proportional, oxidizing or reducing, user selectable
Dosing Contact	1 isolated, 2A, max. 240V, resistive load, 1,000,000 strokes
Alarm Contact	1 isolated, 2A, max. 240V, resistive load, 1,000,000 strokes
Recorder Output	4-20 mA (isolated)
Power Supply	BL 7917-1: 115V ±15%; 50/60Hz (40W) BL 7917-2: 230V ±15%; 50/60Hz (40W)
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	221 x 142 x 181 mm (8.7 x 5.6 x 7.1")
Weight	5 kg (11 lb.)
Ordering Information	**BL7917-1** is supplied with discharge and suction valves, polyethylene tubing, 115V power cable and instructions. **BL7917-2** is supplied with discharge and suction valves, polyethylene tubing, 230V power cable and instructions.

BL7917 PRESSURE/FLOW

BAR (PSI)	LPH (GPH)
0.5 (7.4)	13.3 (3.46)
1.0 (14.7)	11.7 (3.04)
2.0 (29.4)	10.1 (2.63)
3.0 (44.1)	9.0 (2.33)
4.0 (58.8)	7.8 (2.03)

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