



BL7917

## ORP Controller and Pump

- ORP controller and dosing pumps
- $\pm 5$  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 (@25°C/77°F)       | $\pm 5$ 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 $\pm 15\%$ ; 50/60Hz (40W)<br>BL 7917-2: 230V $\pm 15\%$ ; 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.)  |
| <b>Ordering Information</b> | <b>BL7917-1</b> is supplied with discharge and suction valves, polyethylene tubing, 115V power cable and instructions.<br><b>BL7917-2</b> 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)  |