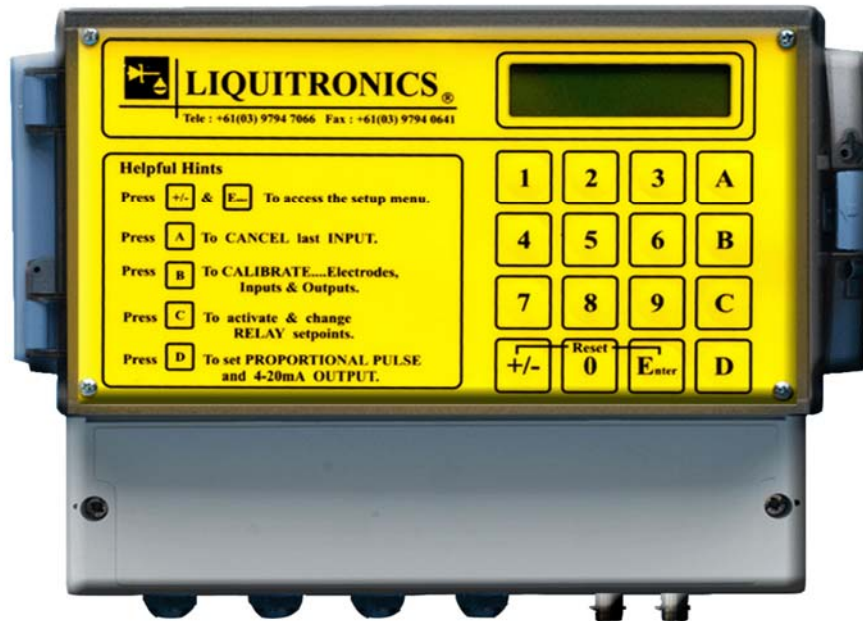


pH/ORP Controller

LPH-200



- | | |
|--|--|
| Std. External wall mount design. | Std. Additional internal power terminals. |
| Std. IP 54 Enclosure. | Std. Moisture proof soft touch keypad. |
| Std. Electronic security lock. | Std. Dual proportional pump pulsing outputs. |
| Std. Potential free relays. | Std. Back lit LCD. display. |
| Std. Automatic electrode calibration. | Std. Dual isolated 4-20mA outputs with adjustable offset and span. |
| Std. Non Volatile memory. | Opt. Automatic temperature compensation. |
| Std. Single or dual output. | Opt. Data logger / retriever. |
| Std. 2 Line 40 Character Alpha/ Numeric display. | |

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DUAL CHANNEL pH, ORP (mV) Monitor / Controller

LPH-200

FEATURES

Dual or Independent Controller / Monitor:

The **LPH-200** has been designed with the ability to take one input signal and control all relays, pulse outputs etc or be set as a dual control/monitor unit and accept two electrode signals from two separate processes. This gives the unit the advantage to be used as a swimming pool/chrome reduction controller controlling both pH and ORP (mV) from the one controller or set to control and monitor the pH levels in a trade waste system. With the addition of the optional **Data Logger** it makes for a compact but flexible controller/monitor.

Electronic Security:

This feature has being included to prevent the problems associated with tampering or unauthorised access to the controller.

Proportional Pump Control:

The **LPH-200** has been designed to react in proportion to the amount the pumps need to deliver (i.e. the further from the set-point the solution is, the faster the pump is pulsed).

Outputs:

In line with current instrumentation requirements these units have been designed to accept and deliver all the standard outputs such as, potential free relay N/O and N/C contact closures and fully isolated 4-20mA current loops.

SPECIFICATIONS

Displays: 2 line, 40 character Alpha Numeric LCD display with backlighting. Displays combinations of pH, mV and temperature.

Enclosures: Fully sealed PVC / Polycarbonate with hinged front cover to IP 54 rating. Dimensions: 210(L) x 180(W) x 110 (H) mm.

Keyboard: 16 plastic membrane tactile switches.

Power: 220-250VAC, 50Hz consumption, typically 10VA.

Inputs: pH or mV via external BNC sockets. Temperature input via a cable gland.

Outputs: 4 x SPDT 5 Amp (resistive) relays with independent power terminals.

Pulse Outputs: Via OPTO coupler Non Polarised.

Isolated 4-20mA: Independent with fully adjustable offset and span.

Memory: Non volatile.

Relays & Pulse Set Points: Independently adjustable 0.01 – 13.99 pH, 0-1000 mV.

Relay & Pulse Hysteresis: Fully and independently adjustable on each channel.

Data Logger (optional): 10 min Sample time 35 days data storage. 4 channel input.

Data Retrieval (supplied with Data Logger): Wireless download up to 20mts. Download as a "CSV" file to view in Excel program.



LPH-200