

HydroGuard 102

pH and Redox (ORP) proportional controller



The HG-102 is a reliable and easy to use controller.

Simple installation and operation, makes water quality control an easy task.

It is the perfect system for operators, requires very low maintenance and provides long term stability.

Excellent Value

Best value for money on the market, exactly what you need in order to maintain proper pool performance while remaining affordable.

Easy Operation

Easy and straight forward menu for settings and operating. Simply pick your set-point and let HydroGuard do the rest.

Web-based Remote Monitoring (Optional)

With the ability to connect to our unique Wireless Communicator, the HG-102 provides a web-based real-time monitoring system that alerts you automatically, allowing you to manage your pool conditions anytime, anywhere.

Proven Reliability

Based on HydroGuard's proven history of quality pool measurement and control, the HG-102 offers the same great performance in an even easier to use system. No need to sacrifice quality to have an easy to use controller.



Your Water Quality Partner



HydroGuard 102

Technical Data HydroGuard 102

MECHANICAL DATA	
Dimensions (controller)	340mm x 220mm x 120mm 14" x 7" x 5" (W x H x D)
Cable entries	Pg 9 Cable Glands
Ingress protection	IP 65 (NEMA 4 equivalent)
Max. Permissible ambient temperature	0°C to 55°C (15°F to 113°F)
Weight Approx.	4.0 kg (8.8 lbs)

ELECTRICAL CONNECTION	
Power supply	110-115VAC 210-230VAC; 50Hz/60Hz
Power consumption	Approx 5.0 VA

DATA SERIAL OUTPUT SIGNAL OUTPUT	
RS 485	Standard
External 4-20ma	optional*

RELAYS	
ORP (Chlorine)	110-230V 4A Max
pH 110-230V	110-230V 4A Max

DISPLAY	
2 X 7 Segment Red display 3 digits	For ORP and pH
Function indicator	Set Point/Cal/Feed Rate mode for Chlorine and pH and dosing indication.

pH MEASUREMENT	
Display range	6-10
Sensor	Ceramic diaphragm and gel filling

ORP (REDOX) MEASUREMENT	
Display range	0-999mv
Sensor	Ceramic diaphragm and gel filling

FLOW indication	
Min Flow rate	14 L/H (0.0616 GPM)
Sensor	Rotating Flow Switch / Level Switch
Output signal	Frequency / Dry Contact
Inlet Pressure	0.3-1.0 BAR
Outlet Pressure	Pressurized Cell 0.9 BAR

pH / ORP VALUE CONTROL	
Control function	Proportional or On/Off
Set value function	Pulse Length proportional controller

* Optional Feature

The controller includes the following parts assembled:

FLOW CELL	ROTATING FLOW SWITCH	pH AND REDOX ELECTRODES (INCLUDING CABLES)
		