HG-602 WATER QUALITY CONTROLLER





A simple and user-friendly analyzer that is an immediate success with operators who recognize the need for advanced but still easy to use water analysis.

Customized Multi-Parameter Systems

The HG-602 adapts to each sites unique needs by allowing any combination of measurements in a single system including: Free Cl (amperometric), pH, Temperature, Turbidity, Conductivity and Flow. A complete, flexible solution to fit any application.

Versatile Chlorine Measurements

Whether you are operating at low levels of chlorine for municipal or high ranges for industrial applications, with amperometric probes for 5, 10 and 20 ppm and cutting-edge **integrated pH and temperature compensation**, the HG-602 provides the most stable and reliable chlorine measurements available.

Reliable Wired or Wireless Communication

Select from 4-20mA outputs with dry contact alarms, wired digital output to a local computer, or a completely wireless system that can be accessed from any internet connection or even a mobile phone.

Proven Results

The HG-602 improves upon HydroGuard's experience and tradition of supplying the most accurate and reliable water analysis equipment providing peace of mind to our customers around the world.



- Accurate and Reliable Measurements
- Upgradeable to fit changing needs
- Multiple Measurements in a Single System
- Simple, User-friendly Menus and Functions
- Meets IP-65 (NEMA 4) Standards

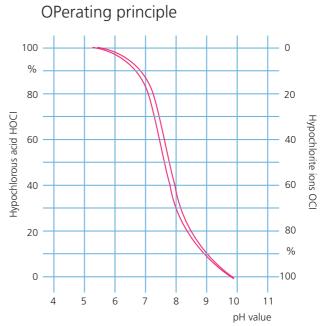
Your Water Quality Partner



MECHANICAL DATA	
Dimensions (controller)	14" x 7" x 5" (W x H x D)
	340mm x 220mm x 120mm
Cable entries	Pg 9 Cable Glands
Ingress protection	IP 65 (NEMA 4 equivalent)
Max. permissible ambient temperature	15°F to 113°F (-10°C to 45°C)
Weight	Approx. 11 lbs. (4.5kg)
ELECTRICAL CONNECTION	
Power supply	110-115VAC/1A
i owei suppiy	210-230VAC/0.5A; 50Hz/60Hz
Power consumption	Approx 60 VA
Power supply for RTC Memory	3.6V Lithium Battery
	Stor Lianan Battery
DATA SERIAL OUTPUT SIGNAL OUTP	TUT
RS 485	Standard
4-20ma	optional
RELAYS	440.2201/44.44
CL (Chlorine) set point 1	110-230V 4A Max
CL (Chlorine) set point 2	110-230V 4A Max
pH	110-230V 4A Max
Turbidity control*	110-230V 4A Max 110-230V 4A Max
General Alarm	110-230V 4A Max
Temperature control	110-230V 4A Max
DISPLAY	
Measured 5.5" Large Graphic	Chlorine, pH Temperature, Turbidity*
Monochrome Display	Conductivity*, Flow*
Botton of Display 2 line 24	for secondary parameters, program
character LCD with background light	alarms and status
	alarms and status
pH MEASUREMENT	
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MATERIALS	
Shaft	PVC
Membrane	PTFE
Membrane cap (replaceable)	PBT (GF 30), PVDF
TEMPERATURE MEASUREMENT	7
Sensor	PT-100
Measuring range	32 to 158°F (0 to 70°C)
FLOW MONITORING	
Sensor	Rotaring flow switch
Output signal	Dry Contact
Inlet Pressure	1 BAR
Outlet Pressure Close Cell	0.9 BAR
pH VALUE CONTROL	
Control function	P or PI, or On/Off
Characteristics	Normal / Inverted
Set value function	Pulse Length proportional controller Pulse Frequency proportional controlle
CHLORINE CONTROL #1	
Control function	Pl, or On/Off
Proportional band	yes
Set value function	Pulse Length proportional controller Pulse Frequency proportional controlle
CHLORINE CONTROL #2	
Control function	On/Off
Proportional band	no
Integral action time	no
DATA LOGGER	
Memory	256K
Lines	1000
Recording interval	1-360 min
Event logger	yes
Total relay on time	yes
SECURITY	
Operation Password	Yes
Technician Password	Yes
Optional Feature	



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