

PRIZMA[®]

Automatic Chemical Monitoring and Balancing for Private Pools and Spas



Automatic, Real-time Chemical Balancing

The PRIZMA[®] revolutionary system automatically and accurately measures and balances the chlorine and pH levels in private pools and spas.

The PRIZMA's state-of-the-art electro-optic technology yields accurate readings, utilizing colorimetric based test strip cassette and, thus eliminating the pH affect on chlorine measurements. pH and Chlorine dosing pumps are automatically activated according to the monitored levels and balance the pool.

Environmental and Personal Safety

PRIZMA[®] instantly picks up imbalances in the chemical levels and corrects them. Automatic and accurate chemical balancing prevents chemical overdosing as well as under-dosing, ensuring environmental and personal safety.

Cost Effective Operation

Quick & easy installation as well as seamless operation makes the PRIZMA[®] an ideal tool for private pools and spas. Accurate measurements reduce the chemical usage by 30%, thus saving expensive chemicals.

The PRIZMA's automatic self-calibration and minimized maintenance saves unnecessary pool maintenance. Furthermore, Wireless Communication allows for remote alarm monitoring and control by the pool administrators, increasing safety and reducing site visits. The pool administrators can now serve more clients in less time.

→ Automatic, Real-time Chemical Balancing

↻ Accurate Measurements

→ Environmental and Personal Safety

→ Cost-Effective Operation

↻ Seamless Operation

↻ Minimal Maintenance

↻ Remote Monitoring

↻ 30% Chemical Reduction

Your Water Quality Partner



PRIZMA[®] SPECIFICATIONS

GENERAL	
Measurements	Colorimetric based, Free Chlorine & pH
Operation Mode	Periodic & Configurable 3 to 12 times a day
Measurements Range	pH: 6 - 9.1 Cl: 0.2 – 6.3ppm
Measurements Accuracy	+/- 5%
Calibration	Automatic After every measurement
Flow Rate	60l/h (recycled into the pool)
Test Sample	10cc per test
Outside Diameter of the Fitting	6 mm
Pressure	1 Bar max
Number of Tests	250 (Cl + pH)
COMMUNICATIONS	
Digital	RS-485 to TDU or Modem
Relays	1xpH pump , 1xCl pump
Sensors	pH/Cl Tank Empty, External flow Available
Alarms	7
Programmer tool	Via RS-485
ELECTRICAL	
Input	110-120/210-240VAC; 60/50 Hz;
Power Consumption	15 VA max
MECHANICAL	
Dimensions	470mm x 330mm x 130mm 18.5"x12.9"x5.1"
Weight	3.60kg w/out dosing pumps 4.5kg with dosing pumps

ENVIRONMENTAL	
Operating Temperature	2 ^o C to +55 ^o C
Operating Humidity	1%-90% non condensing
Enclosure type	IPx5
STANDARD COMPLIANCE	
FCC	FCC 47 CRF part15 Subpart B Class B
Safety	CAN/CSA-C22.2 No. 61010-1 UL Std. No. 61010-1 AS/NZS 3136
CE	EN 61326-1 EN 61010-1:01
ORDERING INFORMATION	
Part Number	PRZ-VDP-XY000
V - Version	D - OX version C- AU version B - CE version A - US version
D - Documentation language	English German French
P – Power Supply	1 – 110VAC 2 – 220VAC
X – # of pumps	0– without pumps 1– with one pump 2– with two pumps
Y – pH lock keys	0 - No pH keys 1 – Keys for pH lock
WARRANTY	
2 years - electronic card	
1 year - All other components except electronic cards	