

Guardian NEXT Control and Regulation Equipment

The new GUARDIAN NEXT equipment combines the traditional elements of control and regulation, with full digital control of the levels. This facilitates management of the swimming pool parameters and records, in order to analyse and detect potential errors.

It is noted for its high performance in the control and regulation of chemical products used in public and private swimming pools.

New features 2013

- Innovative design
- 7" touch screen (equivalent to approx. 18 cm diagonally)
- Digital control panel with full access to all parameters
- Communication via USB and RJ45 (optional)

In addition...

- Easy to use
- For swimming pools with dosing systems using stabilised chlorine (solid), non-stabilised chlorine (liquid or solid), or bromine
- It includes dual relay outputs for each parameter, adjustable 4-20 mA outputs (optional) and RS-485 communications output
- Multilingual
- Sensor inputs are galvanically isolated



Main features

Reading of 1, 2 or 3 parameters (ppm Cl, pH and Redox). For each parameter, the equipment has:

- 2 relay outputs
- 2 setpoints
- 2 adjustable 4-20mA outputs (optional)
- 2 voltage free alarm level contacts
- 1 pulse output (0-1000 pulses / min)
- 3 alarms, indicating minimum, maximum and maximum time

Multilingual

Light indicating the quality of the water in the swimming pool

USB entry to collect data stored about the different parameters and to update equipment software

Automatic temperature compensation

Sensor inputs are galvanically isolated

The chlorine **probe is a closed amperometric probe** that **works with liquid chlorine** (sodium hypochlorite) and **stabilised chlorine tablets** (symclosene, sodium troclosene), **non-stabilised tablets** (calcium hypochlorite), as well as with **bromine tablets** (bromo-dimethylhydantoin)

Technical specifications

Touch screen: 7" in 7 languages

Power supply: 90 - 260 VAC 50/60Hz. 12-36 VDC

Power consumption: 10W

Operating temperature: 0-40°C

Max. current in contact with the setpoint relay output: 16 A with resistive load and 3 A with inductive load

Max. current in contact with auxiliary relay output: 5 A with resistive load and 0.7 A with inductive load

Max. current in contact with the alarm relay output: 5 A with resistive load and 0.7 A with inductive load

Current output: 4-20 mA (dynamic 0-500 Ω)

Pulse output: 0-999 pulses/min

pH range: 0.00 - 14.00 (0.01pH resolution)

Redox range (mV): -1000... +1400 mV (1mV resolution)

Cl range: 0 - 2 ppm (0.001 ppm resolution), 0 - 20 ppm (0.01 ppm resolution)

Total Cl range: 0 - 2 ppm (0.01 ppm resolution), 0 - 20 ppm (0.01 ppm resolution)

H O range: 0 - 200 ppm (0.1 ppm)

Temperature probe output (probe not included)

RJ45 output for communications (optional)

GUARDIAN NEXT



	Guardian NEXT 1	Guardian NEXT 2	Guardian NEXT 2	Guardian NEXT 3
Model	ppm Cl	pH / Rx	pH / ppm Cl	pH / ppm Cl / Redox
Code				
Water type	Drinking water treatment	Public and private pools	Public pools	Public pools
Readings	-	pH reading	pH reading	pH reading
	ppm Cl reading	Redox (mV) reading	ppm Cl reading	ppm Cl / Redox (mV) reading
Measurements				
Dosing type	Cl dosing in liquid and tablets	Cl and bromine dosing in liquid and tablets	Cl and bromine dosing in liquid and tablets	Cl and bromine dosing in liquid and tablets

Probes	-	pH potentiometric electrode	pH potentiometric electrode	pH potentiometric electrode
	-	Redox potentiometric electrode	-	Redox potentiometric electrode
	Amperometric Cl probe	-	Amperometric Cl probe	Amperometric Cl probe



AUTOMATIC CONTROL AND REGULATION EQUIPMENT

DOSING SYSTEM FOR CHEMICAL PRODUCTS



The most advanced equipment on the market
Full control of the swimming pool parameters
on a 7" screen

For swimming pools with tablet
or liquid* systems



*Non-stabilised chlorine (sodium hypochlorite, calcium hypochlorite), stabilised chlorine (symclosene and sodium troclosene), bromine.