

# Water quality means pool quality!

**PC DYNAMICS**



**dinoAccess**

Worldwide access  
around the clock!

 **dinotec**


Swimming pools | Whirlpools

Chlorine or chlorine-free water care


Measurement | Control | Dosing | Filter and Heating Control


Simply enjoy the best water!

**At a glance:** Intuitive (remote) operation, e.g. via smartphone or directly on the device with simple clear text menu navigation


**Accurate:** Automatic measurement and control of water treatment and pH 

**Turnkey:** With integrated filter/heating control and dosing technology, optional with flocculant dosing or pH raise

**Freedom of choice:** Choose your water care method at the touch of a button (chlorine, active oxygen, chlorine dioxide, ozone, bromine) 











**Convenient:** Automatic cleaning of disinfection electrode (AER) 

**Professional:** "Professional" model with chlorine gas control

**Easy:** Pre-assembled on wall mounting plate. Easy to clean design cover. Fast commissioning. 

## Models

### PC DYNAMICS models

PC DYNAMICS models	MEASUREMENT TECHNOLOGY							DOSING TECHNOLOGY				FILTER TECHNOLOGY
	Poolcare	Free chlorine	Organic chlorine**	Redox	pH	Bromine	universal fm	EASY ≤4.5 l/h*	START ≤11 l/h	DDE ≤6 l/h****	Bromine**	Control of filter and heating
Poolcare active oxygen time-controlled	✓				✓			2x				✓
Poolcare active oxygen measured EASY	✓				✓			2x				✓
Poolcare active oxygen measured START	✓				✓				2x			✓
Redox				✓	✓			2x				✓
Redox for bromine				✓	✓			1x			1x	✓
Free Bromine START					✓	✓			1x		1x	✓
Free chlorine EASY		✓			✓			2x				✓
Free chlorine START		✓			✓				2x			✓
Free chlorine DDE		✓			✓					2x		✓
Professional EASY		✓		✓	✓			2x				
Organic chlorine EASY			✓	✓	✓			2x				✓
Organic chlorine START			✓	✓	✓				2x			✓
Professional START		✓		✓	✓				2x			
Professional DDE		✓		✓	✓					2x		
Professional without dosing technology		✓		✓	✓							

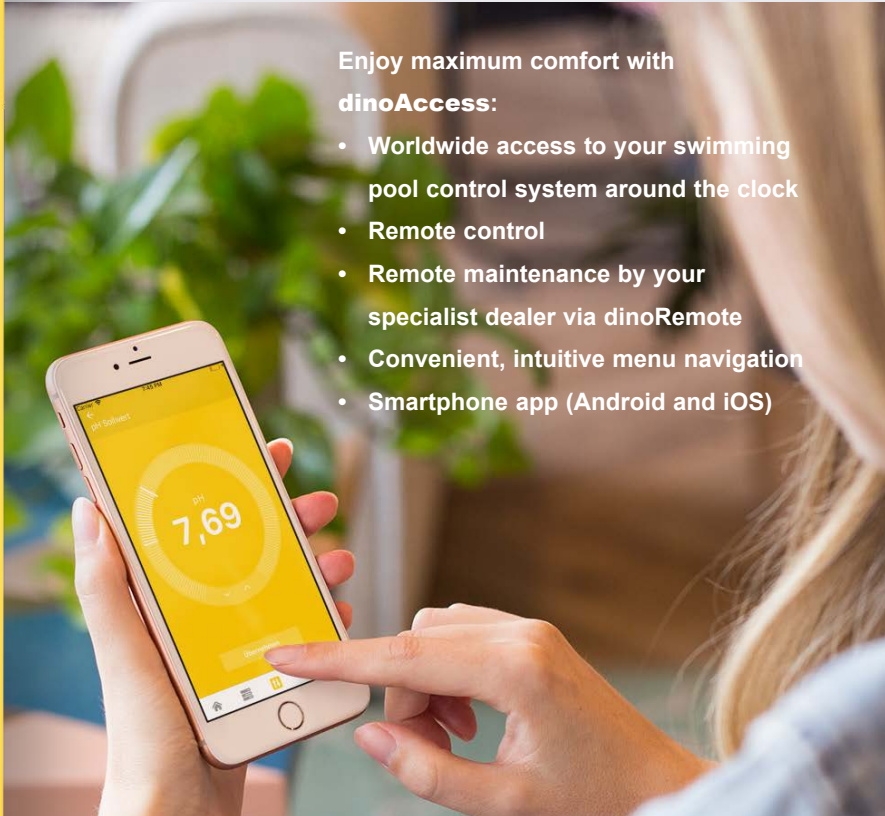
Your pool dealer will be happy to recommend the most suitable PC DYNAMICS model for your application.

\* up to 9 l/h when using a pump hose with larger diameter / \*\* with diaphragm-covered electrode and special measuring cell / \*\*\* Bromine sluice with solenoid valve



### dinoAccess

The smart way to monitor your water values

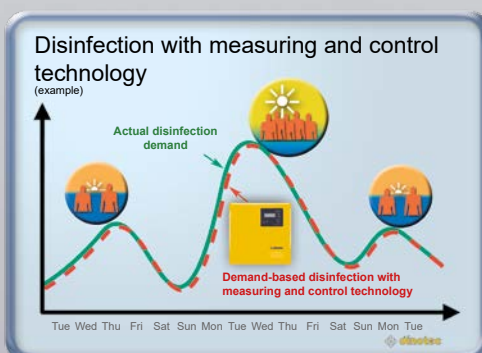


Enjoy maximum comfort with dinoAccess:

- Worldwide access to your swimming pool control system around the clock
- Remote control
- Remote maintenance by your specialist dealer via dinoRemote
- Convenient, intuitive menu navigation
- Smartphone app (Android and iOS)

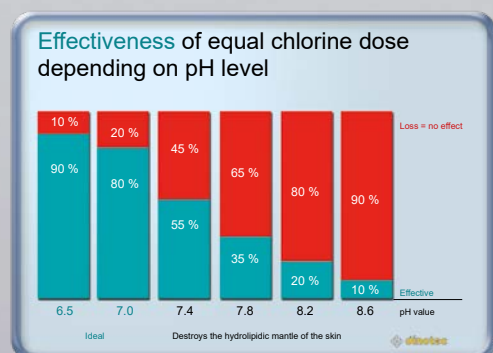
### Your pool under control around the clock

Whether swimming pool or whirlpool, the PC DYNAMICS ensures an optimal water quality at all times. All hygiene parameters and water values are monitored and controlled. Due to an automated dosing, water care agents are only added when actually required.



### Water quality means pool quality

With correctly set water values, pool water feels pleasant, does not cause irritations (such as red eyes), ensures a long-term protection of your facilities (e.g. from corrosion), and reduces the costs for water care agents.





## Technical data

MEASURED VALUE	MEASURING RANGE	RESOLUTION
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Chlorine	0-10mg/l	0.01 mg/l
Poolcare active oxygen measured	1-99mg/l	1 mg/l
Poolcare active oxygen time-controlled	No measurement	
pH	0 to 14	0.01 pH
Redox	0 - 1000 mV	1 mV
Chlorine dioxide (only for "Professional" model)	0-4mg/l	0.01 mg/l
Ozone (only for "Professional" model)	0-4mg/l	0.01 mg/l
Temperature (PT1000)	0 - 60 °C	1 °C
Sample water deficiency	On/Off; flow measurement	
T-compensation of pH measurement (automatic via temperature sensor or via manual adjustment)		
Flow compensation for chlorine/Poolcare/chlorine dioxide/ozone measurement (chlorine dioxide/ozone only in "Professional" model)		

Control response	P, PI(D) control optionally	
Controller outputs	proportional via bus	
Digital outputs	<ul style="list-style-type: none"> <li>4 potential-free output relays for chlorine (pulse frequency, pulse length, On/Off),</li> <li>pH reduce and pH raise (pulse length, pulse frequency, On/Off),</li> <li>Alarm, actuator OPEN / CLOSED</li> </ul>	
	Alternative to pH raise: flocculant dosing (ON/OFF)	
	Maximum contact load 230V/AC: 370 W (inductive), 500 W (Ohm resistive load)	
Digital inputs	Empty signal chlorine, pH reduce External signal "Dosing stop", e.g. from Combitrol filter control	
Analog output (optional)	(Option) 0(4) - 20mA for chlorine / Poolcare / ozone / chlorine dioxide, redox, pH, temperature	
Interfaces	RS485	for connection to dinoVISION, Modbus RTU
	WiFi	for remote control with dinoAccess/dinoRemote
Language selection	More than 10 languages	
Filter/heating control	On/off adjustable for every day (not for "Professional" model). Single-phase 230V up to max. 0.75kW. Larger pumps require a contactor.	
Control unit	Plastic housing, protection class: IP 65	
Dimensions system housing	approx. 600 x 550 x 170 mm (w x h x d)	
Weight	approx. 10 kg (depending on model)	
Operation	Large graphic display 100 x 30 mm with keypad	
Line voltage	230V / 115 V / AC (50 / 60Hz)	
Power consumption	10 VA (w/o dosing equipment)	
Ambient conditions	Working temperature:	+5 to +50 °C
	Storage temperature:	-20 to + 65 °C
	Rel. humidity:	max. 90% at 40°C (non-condensing)

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Subject to technical changes. Errors excepted. 09/2019

Simply enjoy the best water!