dinotec
Water & Pool Technology

Pool management

with "All inclusive package"

The smart dinoTouch+ includes almost all features desired in private swimming pools as standard. In addition, the superior control system provides sufficient room for extensions.

The preassembled wall mounting plate and integrated configurator ensure a fast installation and commissioning.

All inclusive:

Measurement, control, dosing

Filter control

Automatic backwash via piston valve

Control of multistage filter pumps

Control of attractions

Lighting control

Temperature control

Solar control

Level control in skimmer pool
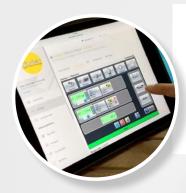
Remote control and maintenance

dinoTouch+

Simply enjoy the best water!

dinoTouch+

...and the system offers even more!

Dosing technology

The dinoTouch+ allows control of up to 4 dosing applications as standard. You can choose disinfection (either dosing pump or inline electrolysis), pH raise, pH lower, flocculation or addition of an additive (Pool-izei, Nova Crystal, etc.).

Remote control & maintenance

The dinoTouch+ can be remotely controlled around the clock from anywhere via the secure dinoRemote. After approval, specialist dealers and/or dinotec can access the system quickly and conveniently. This ensures operational reliability and reduces costs.

Energy savings

Control of frequency converter or filter pump with 3 fixed frequencies

Main functions	Inclusive	Optional	Best water quality	Convenience	Reduced operating costs
Measurement, control, dosing	✔		✔	✔	✔
Filter control	✔		✔	✔	
Automatic backwash via piston valve	✔		✔	✔	
Control of frequency converter or filter pump with 3 fixed frequencies	✔		✔		✔
Control of attractions	✔			✔	
Lighting control	✔			✔	
Temperature control	✔			✔	✔
Solar control	✔			✔	✔
Level control in skimmer pool	✔			✔	
Control of up to 4 dosing applications	✔		✔	✔	✔
Control of a dinUV	✔		✔		✔
Remote control and maintenance	✔		✔	✔	✔
Control of a pool cover	✔			✔	✔
Conductivity measurement		✔	✔		
Control of frequency-controlled filter pump		✔	✔		✔

Technical data:

Mains voltage:	85 – 265 V/AC (48-63 Hz)
Power consumption:	50 VA
Protection class:	IP 65
Dimensions housing (w x h x d):	approx. 500 x 300 x 150 mm
Weight:	approx. 2.5 kg
Permissible ambient temperature:	up to +50°C
	-20°C to +65°C
Permissible humidity:	max. 90 % at +40 °C (non-condensing)
Storage temperature pH electrode	-5 °C to + 40 °C
Control outputs:	proportional via relay, optionally pulse length, pulse frequency or on/off
Operation:	by Touch screen or dinoRemote
Display:	Colour graphic display 7"
Language:	multilingual
Wall mounting plate:	with quick assembly device, pre-assembled 690 x 690 mm
Alarm:	alarm relay (collective alarm) with voltage-free two-way contact
Poolcare (active oxygen, chlorine-free):	
Addition of oxidant:	time-controlled
Chlorine measuring and control part:	
Measurement of oxidant:	potentiostatic with chlorine electrode (3-electrode system)
Measuring range:	0.0 – 4.0 mg/l chlorine
Resolution:	0.01 mg/l
Control type:	PID
Continuous dosing control:	adjustable
Electrode check:	by means of slope adjustment (slope monitoring), fixed zero point
Calibration:	manual by measurement of the actual content of free chlorine at the measuring cell outlet or in the pool
Redox measurement and control:	
Measurement:	with platinum electrode
Measuring range:	0 - 1000 mV
Resolution:	1 mV
Control type:	P, PI, PID controller can be selected
Pulse frequency:	optionally pulse-pause
Control outputs:	voltage outputs for pulse length controller are preset (fixed)
pH measurement and control:	
pH measurement:	via combination electrode with KCL filling
Measuring range:	0 – 14 pH
Resolution:	0.01 pH
pH control direction:	pH raise/pH reduce (switchable)
Continuous dosing control:	adjustable
Temperature compensation	Yes
Slope monitoring:	Yes
Calibration:	manual with calibration solution pH 7.0 and pH 4.0
Electrode check:	by means of a compensation of slope and zero shift, monitoring of slope and zero point
Dosing pump:	
Pump type:	dinodos EASY or dinodos START
Pump type:	peristaltic dosing pump
Capacity:	45-9,000 ml/h (dinodos EASY), 45-11,000 ml/h at a counterpressure of max. 1.5 bar (adjustable)
Dosing pump for additive:	adjustable via weekly timer
Inline electrolysis:	depending on model
Conductivity measurement:	to enable the electrolysis system
Filter control:	
Time switch:	weekly timer freely adjustable, max. 20 switching times
Backwash:	manual, automatic with BESGO valve
Temperature control:	
Setting range:	+5°C to +40°C
Switching output (heating):	potential-free two-way contact
Collector sensor:	optional -50 °C to +150 °C
Switching output (solar):	potential-free two-way contact
Priority circuit 'solar':	adjustable via menu

dinoTouch+

dinotec
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Watercom ecoLine

the "economizer"

Pre-configured, choose from these models:

dinoTouch+ redox, pH with dinodos EASY or dinodos START pumps
dinoTouch+ free chlorine, redox, pH with dinodos EASY or dinodos START pumps
dinoTouch+ redox, pH with dinodos EASY pump for inline electrolysis
dinoTouch+ free chlorine, redox, pH with dinodos EASY pump for inline electrolysis
dinoTouch+ Poolcare time-controlled, pH with dinodos EASY or dinodos START pumps
Watercom ecoLine with cartridge filter, inline solo electrolysis, bio UV system, Vitalia VS filter circulation pump

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Dreams, health & care with water

Simply enjoy the best water!