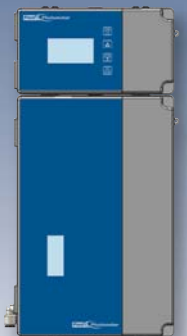
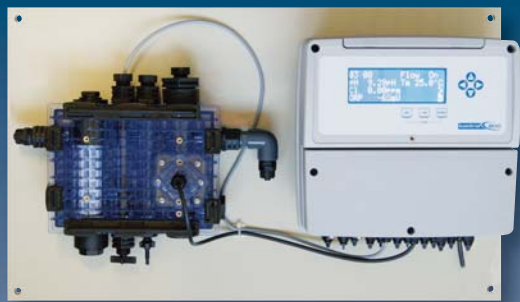


DOSING SYSTEMS FOR SWIMMING POOLS



Kontrol 800 Multi Parameters Controller



Kontrol 800 control instrument gives a reply to Market's demand of compact easy setting device.

Thanks to Alphanumeric display (4 lines and 20 letters) inside it is possible to look at all measure, as following list:

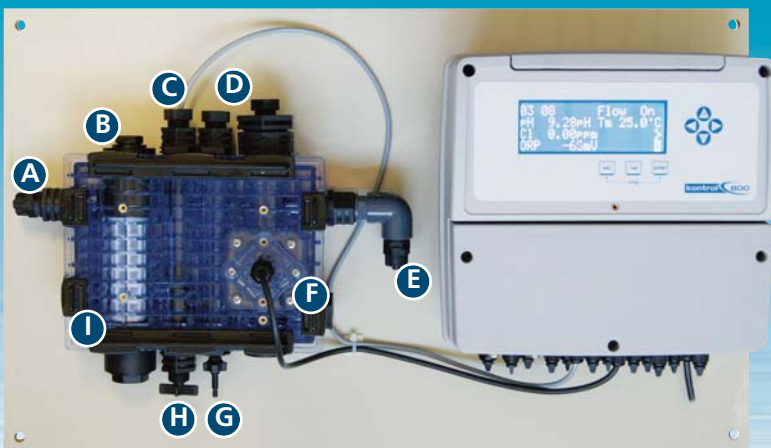
- ▶ pH probe
0,00÷14,00 pH
- ▶ Redox (ORP) probe
±1500 mV
- ▶ Free Chlorine probe
0,00÷5,00 ppm
- ▶ Temperature probe
0÷100 °C
- ▶ Two input for Level Probe
for chemical product



The controller Unit assure following output:

- ▶ Four Relais with power supply
- ▶ Two Relais dry contact
- ▶ Four mA output current 4±20 mA
- ▶ Four Frequency output
- ▶ Serial Port RS485 with ModBus RTU protocol communication

Kontrol 800 Panel



Complete panel station with hydraulic part and Electronic controller instrument.

- ▶ Panel size 700x420x10 mm in PVC material.
- ▶ Transparent Hydraulic probe-holder with ZiF connection (zero input force).

Features:

- ▶ Inlet and Outlet tube= 8x12 mm
- ▶ Pressure = 3 bar
- ▶ Temperature = 50 °C

- | | | |
|---------------------------|--|---------------------------------|
| A Inlet tube 8x12 | D pH and Redox (ORP) probe holder | G Sample Water Faucet |
| B Degassing filter | E Outlet tube 8x12 | H Flow Regulation Faucet |
| C Sensor reed | F Amperometric Cell (CU-PT) | I Cartridge filter |

Photometer System



Photometer System 6 Parameter.

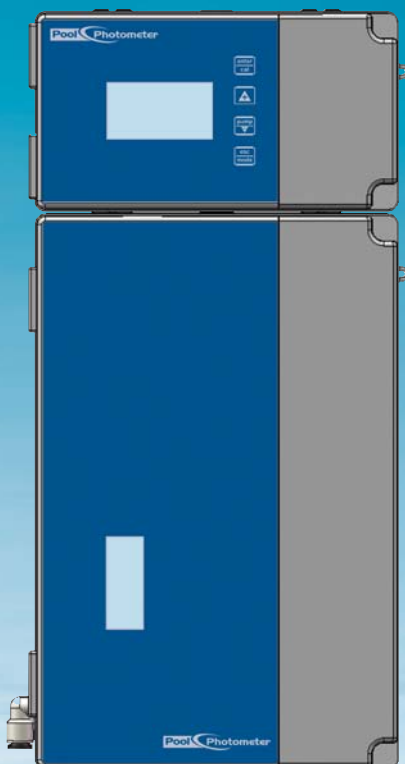
Measure:

- ▶ Free Chlorine (Optical Measure with DPD chemical)
- ▶ Total Chlorine (Optical Measure with DPD chemical)
- ▶ Bound Chlorine (Calculating Measure)
- ▶ pH
- ▶ Redox (ORP)
- ▶ Temperature

Relays:

- ▶ Free Chlorine number two (2)
- ▶ PH number one (1)
- ▶ Redox number one (1),
- ▶ Alarm number one (1),

Pool Photometer



Controller Instrument Multi-Parameter unit dedicate for Swimming pool application.

Measure:

- ▶ Free Chlorine 0÷5,00 ppm by automatic DPD method
- ▶ PH 0÷14.00 pH,
- ▶ Redox 0÷1500 mV,
- ▶ Temperature 0÷50,0 °C

Relays:

- ▶ Free Chlorine number two (2)
- ▶ PH number one (1)
- ▶ Redox number one (1),
- ▶ Alarm number one (1),

Analogical Output 4 independent channel

Serial port RS485 (on demande)

Power supply 100÷240 Vac 50/60 Hz

Graphic Display 240x128 pixel

Kontrol Pool



Controller unit for automatic management swimming pool plant.

Measure:

- ▶ Graphic Display 128x64 pixel
- ▶ Power supply 100÷240 Vac 50/60 Hz
- ▶ Output Serial port RS485 MOD BUS RTU
- ▶ Output mA channel 4÷20 mA

▶ Relays:

- Number Five (5) for circulation pumps dedicated
- Number one (1) inlet fresh water for compensation basin
- ▶ Digital Input number five (5) for level sensors into compensation basin

Kontrol 500



■ Measure

- pH/REDOX
- Dissolved Oxygen
- Conductivity
- Turbidity
- Chlorine
- Chlorine Dioxide

■ Visualization

- Simultaneous values of the measure (numeric + bargraph) and Temperature.

■ Data storage

- Internal Flash 4Mbit Memory (near to 16000 records).

■ PID Regulation

- 2 analogue outputs

■ 4 digital outputs

■ Electrode washing

■ Digital input

■ Alarm

■ RS485 Serial output

■ Manual controls

■ Temperature compensation

Kommander

Kommander pH and Redox Weekly timer to control Boiler and Circulation Pump

Dosing peristaltic pump system with proportional dosing method to adjust pH and Redox. Weekly timer setting to control boiler and circulation pump.

Flow rate 1.5 liter at 1.5 bar

Kommander pH, Redox and Flocculent Weekly timer to control Boiler and Circulation pump

Dosing peristaltic pump system with proportional dosing method to adjust pH and Redox. Timed dosing method to adjust Flocculent. Weekly timer setting to control boiler and circulation pump.

Flow rate 1.5 liter at 1.5 bar



PoolBasic PROfessional

This is the most common electronic Unit for Domestic swimming pool application.

Main features:

- ▶ Easy Setting parameter
- ▶ Proportional Dosing and Transaxle technology
- ▶ Easy general Human Interface thanks to digital display
- ▶ Automatic Flow check recirculation pump

Pool Basic PROfessional series is the immediate solution to control:

- A** pH and Redox (ORP)
- B** pH Minus and pH Plus
- C** pH and Flocculant
- D** pH and Hydrogen Peroxide by time
- E** pH, Redox (ORP) and Flocculant
- F** pH Minus, Redox (ORP), pH Plus

These measures units are dedicate for domestic application where technical people are not preset. The easy general human interface is the primary feature that the user has in this product. In the last version Seko has improved some advanced functions for example Alarm Relay dedicated for remote alarm device and Automatic dosage with PWM function to control the peristaltic pump in proportional mode.



A

PoolBasic PRO pH and Redox

Dosing peristaltic pump system with proportional dosing method to adjust pH and Chlorine by two measures pH and Redox.

Flow rate 1.5 liter at 1.5 bar
Automatic Flow check recirculation pump



B

PoolBasic PRO pH minus and pH plus

Dosing peristaltic pump system with proportional dosing method to adjust pH Minus and pH Plus with single measure pH.

Flow rate 1.5 liter at 1.5 bar
Automatic Flow check recirculation pump



C

PoolBasic PRO pH and Flocculant

Dosing peristaltic pump system with proportional dosing method to adjust pH. Timed dosing method to adjust Flocculant.

Flow rate 1.5 liter at 1.5 bar
Automatic Flow check recirculation pump



D

PoolBasic PRO PH and Hydrogen Peroxide (H₂O₂)

Dosing peristaltic pump system with proportional dosing method to adjust pH. Timed dosing method to adjust Flocculant

Flow rate 1.5 liter at 1.5 bar
Automatic Flow check recirculation pump



E

PoolBasic PRO pH, Redox and Flocculant

Dosing peristaltic pump system with proportional dosing method to adjust pH and Redox. Timed dosing method to adjust Flocculant.

Flow rate 1.5 liter at 1.5 bar
Automatic Flow check recirculation pump



F

PoolBasic PRO pH minus, Redox and pH plus

Dosing peristaltic pump system with proportional dosing method to adjust adjust pH minus, pH Plus and Redox

Flow rate 1.5 liter at 1.5 bar
Automatic Flow check recirculation pump

Basic Pro



BasicPro Pumps series have a little flow rate per hour to assure a dosage not stop. **seko** has developed two controller units to assure a little dosing from 2,5 cc/Hour to 9700 cc/Hour volume.

Main Features **BasicPro**

- ▶ Speed Control by software
- ▶ Transaxle Technology
- ▶ Level Control
- ▶ Switch ON/OFF/Priming
- ▶ Power supply 100÷240 Vac

- ▶ Display 16x2 (Blue – White Color)
- ▶ Input mA signal Current (0÷20 mA) to control flow rate pump in proportional mode
- ▶ Input Voltage Free (pulse signal) to control flow rate pump in proportional mode
- ▶ Input High Voltage 240 Vac "Flow Check"
- ▶ Remote Alarm by relay (dry contact)
- ▶ Menu Setting parameters
- ▶ Constant or Proportional Dosing

Basic Time



BasicTime Pumps System has a Weekly Timer to assure 10 dosing events per day. **seko** has developed a digital system with weekly timer to dose exact volumes per each event; thanks to the calibration function (via software) it's possible to adjust the maximum flow rate. The unit assures flow rates from 975 cc/Hour to 9700 cc/Hour volume.

Main Features **BasicTime**

- ▶ Speed Control by software
- ▶ Transaxle Technology

- ▶ Level Control
- ▶ Switch ON/OFF/Priming
- ▶ Power supply 100÷240 Vac
- ▶ Display 16x2 (Blue – White Color)
- ▶ Input High Voltage 240 Vac "Flow Check"
- ▶ Relay (dry contact) to control optional Solenoid Valve.
- ▶ Menu Setting parameters
- ▶ Constant Dosing

Dynamik PRO Essence Tube



seko has developed two controller units to assure a little dosing from 2,5 cc/Hour to 9700 cc/Hour volume.

Main Features **DYNAMIK PRO-Essence Tube**

- ▶ Speed Control by Software
- ▶ Transaxle Technology

- ▶ Level Control
- ▶ Switch ON/OFF/Priming
- ▶ Power supply 100÷240 Vac
- ▶ LCD Display
- ▶ External Trigger 24÷240 Vac
- ▶ Constant Dosing

Tekna Evo TMP 603



Proportional Digital dosing pump with digital Controller Instrument included.

- ▶ Setting measures
 - Chlorine
 - Hydrogen Peroxide
 - Per-Acetic Acid

Flow rate dosing pump

Bar	L/h
12	4
10	5
8	6
2	8

- ▶ PT100 probe input for thermal compensation
- ▶ Repetition alarm relay
- ▶ Input On-Off for remote control
- ▶ Output channel 4-20 mA current



CL-Sensor probe

H₂O₂-Sensor probe

CH₃CO₃H-Sensor probe

Kontrol TMP Panel



TPR 603 Tekna Pump

- ▶ pH: 0÷14.0 pH
- ▶ Solenoid dosing pump: 8 liter, 2 bar

TMP 603 Tekna Pump

- ▶ Free Chlorine : 0÷200 ppm
- ▶ H₂O₂ : 0÷100.000 ppm
- ▶ CH₃CO₃H: 0÷100.000 ppm
- ▶ Solenoid dosing pump: 8 liter, 2 bar



pH probe



CL-Sensor probe

H₂O₂-Sensor probe

CH₃CO₃H-Sensor probe

Kontrol Easy Panel

Easy pH and ORP

- ▶ pH 0÷14.0 pH
- ▶ Redox (ORP): 0÷1500 mV
- ▶ Relay 250 V 10 A (Resistive Load) each measure
- ▶ Cable Box with power supply 230Vac to connect external pump dosing

Easy Basic pH and ORP

- ▶ pH 0÷14.0 pH
- ▶ Redox (ORP): 0÷1500 mV
- ▶ Peristaltic dosing pump: 1.5 liter, 1.5 bar

Easy Invikta pH and ORP

- ▶ pH 0÷14.0 pH
- ▶ Redox (ORP): 0÷1500 mV
- ▶ Solenoid dosing pump: 5 liter, 5 bar



Pool Cleaning Station

Especially design for intensive cleaning and/or disinfections floors and surfaces.

Application's Field: Swimming pool, Shower Area, SPA.

- ▶ Avoid the wasting of the water, so contributing to the environmental protection and to the control of your costs Allows an effective mixture thanks to calibration's tips.
- ▶ Reduced the maintenance thanks to its extra plastic eductor (venturi)
- ▶ Links directly with a faucet
- ▶ Works without electricity or compressed air.
- ▶ Possibility of personalization by screen-printing





seko

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