CONTROL UNIT CONTROLLER

KONTROL PANEL SERIES

The **Kontrol panel 800** is based on user friendly approach, can be selected and its maintenance can be done without technical knowledge, it is composed with two element:

- **Kontrol 800 Control Instrument** is a dedicated multi-parameter controller for complex applications that require a number of chemical parameters to be checked at the same time
- **Transparent Hydraulic** PSS-Plexi probe holder with Volumetric Flow-meter with a range from 10 to 100 litres/hour, with external reed sensor for proper flow rate between 70 and 90 litres/ hour.



Features:

● Alpha numeric display (4 lines 20 characters) for easier reading

● Control unit with full parameter access for complete monitoring

● Communication via Serial Port RS48 by Modbus RTU/Ascii protocol for remote control interface

● Control unit has galvanized electrical and measuring insulation to ensure reliable performance

● Easy to set parameters for quick technical overview

● Multiple language menu for flexible operator interface

● Universal Power Supply 100-240 Vac 50/60 Hz 20 Watt for high technical performance

● CE/UL compliant to ensure full health and safety compliance

Technical Characteristics:

Electronic Device Kontrol 800

- **Power Supply**: 100-240 Vac 50/60 Hz, 15Watt (Class 1 Electrical Insulation)
- **System duration:** 24 hours a day, 7 days a week for 5 years
- **Operating temperature**: 0 to 40°C, relative humidity 0 to 95% (without condensation)
- **Data display**: alpha numeric display with backlight .
- **Keyboard**: 7 Keys
- **Cable connections**: Dual row connectors
- **Relays**:
  - Six (250 Vac 7 A); four 100 to 240V Power relays and two dry contact relays
  - Output Modules associated with the chemical measurements:
  - 2 channel current output, 0/4 to 20mA, 500 Ohm maximum load (precision ± 0.01 mA)
  - 2 channel Frequency Output (Open Collector NPN/PNP) 0 to 120 pulses per minute (precision 0.016 Hz)
- **Input Modules**:
  - Flow (pull up) (input for Reed sensor)
  - Hold
  - Data transmission modules:
  - RS485 Serial Port (ModBus Standard Protocol)
- Modules integrated upon the mother board:
- Clock module with backup battery

By pass probe holder PSS-Plexi:

- In/Out: 8x12 mm (tube)
- Material Plexiglas without color
- Hydraulic - By Pass
- Pressure 5 bar
- Temperature 60°C

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PUMP KEY CODE

1, 2		Family						
KP	Kontrol Panel							
	3	Application						
	S	Swimming Pool						
		4-5	Function					
		01	pH and Redox					
		02	pH and Free Chlorine (Amperometric Cell)					
		03	pH, Redox and Free Chlorine (Amperometric Cell)					
		04	Free Chlorine (Amperometric Cell)					
		05	Chlorine (Potenzionstatic Cell)					
		06	pH and Chlorine (Potenzionstatic Cell)					
		07	pH, Redox and Chlorine (Potenzionstatic Cell)					
		08	pH, Redox and Free Chlorine (Amp. Cell) and Total Chlorine (Pot. Cell)					
			6	Probe Holder				
			P	PSS-Plexi				
				7	Power Supply			
				M	100÷240 Vac			
					8, 9	Customer Layout		
					0	Seko		
						10	Skid	
						0	Blue Panel with LCD display	
							11,12	Customization
							0	Seko
KP	S	02	P	M	00	0	00	

Technical data may be changed without notice.
Kontrol_Panel_rev.2.0

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RESUME TABLE

	pH	ORP	Tubidity	Temperature	Chlorine amperometric cell	Chlorine potentiostatic cell
KPS01	•	•		•		
KPS02	•			•	•	
KPS03	•	•		•	•	
KPS04				•	•	
KPS05				•		•
KPS06	•			•		•
KPS07	•	•		•		•
KPS08	•	•		•	•	•

Measurement Ranges

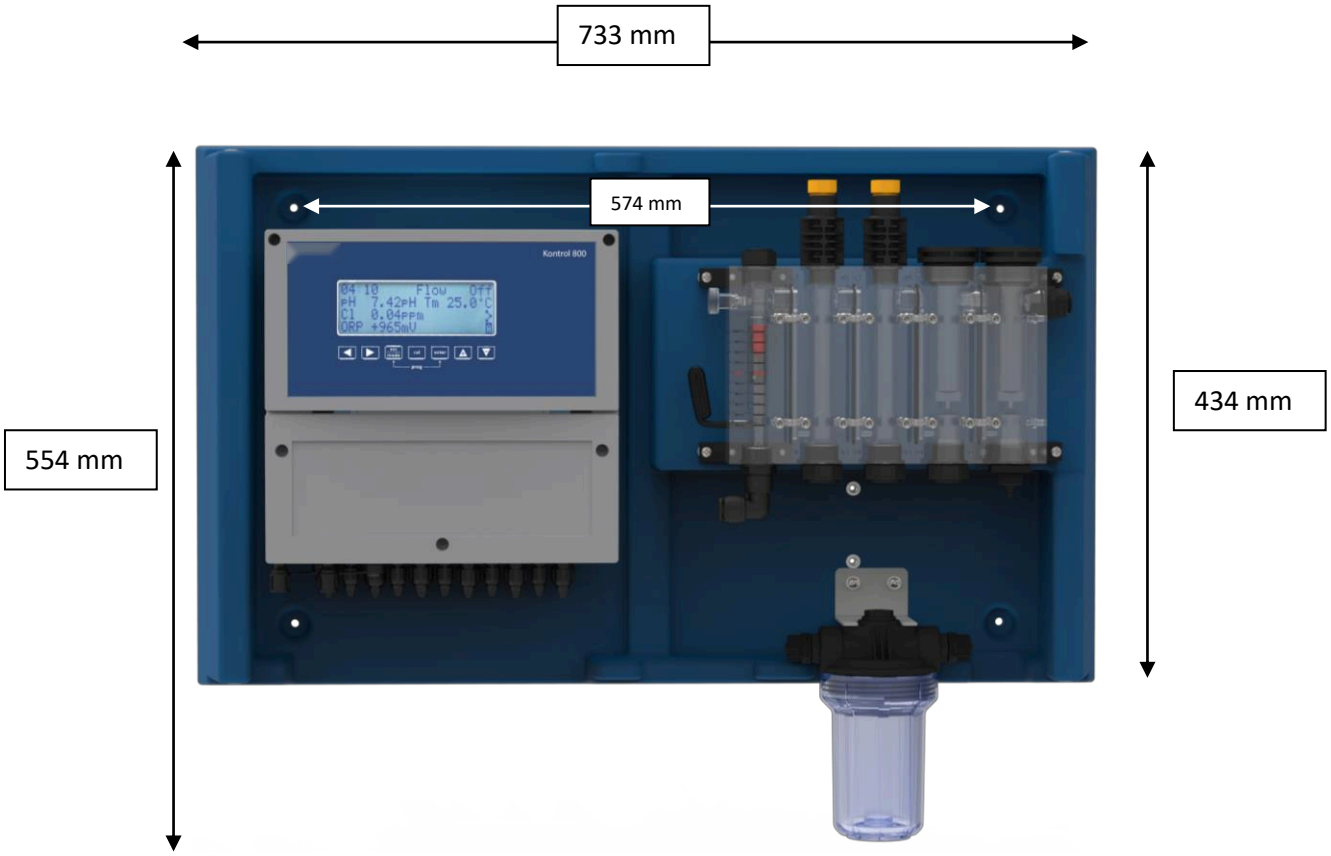
	Code	Description	Accuracy
•	pH	0 ÷14,00 pH	±0,01pH
•	ORP	± 2000 mV	±1 mV
•	Chlorine (Amp. Cell)	0÷5,00 ppm	±1%(1*)
•	Chlorine and Dioxide	0÷1 / 5/ 10/ 20/ 200,00 ppm	±1%(1*)
•	Flow Rate:	0,0000÷99.999 Liters/Sec.(2*)	±2%(1*)
•	Temperature	0÷100°C (+32÷+212 °F ±0,4°F)	±0,2°C

(1*) accuracy of measuring point
(2*) Set by software following unit measures: l/s, l/m, l/h, m³/h, GPM.

Dimensions

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L: 733 mm

H: 434 mm (554 mm with filter)

D: 310 mm

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