Controller Instrument
Kontrol 800 Tech



Kontrol 800 Tech

The Kontrol 800 Tech is a dedicated Multi-parametric control instrument with isolated measurement and graphic display suitable for complex water-treatment applications that require a number of chemical parameters to be checked at the same time.
The unit features independent proportional control output measures, four programmable frequency Outputs, RS485 serial port with ModBus communication protocol, Four Powered Output Relays and two Relays dry contact, a map configuration function to assign the mechanical Relays, frequency Output and mA Outputs.
Probe quality checking and data logging capability are also available.

TECHNICAL CHARACTERISTICS

- Power Supply: 100-240 Vac 50/60 Hz, 15 Watt (Class 1)
- Operating temperature: 0 to 40°C, RH 0 to 95% (without condensation)
- Data display: Graphic Display 240X128 Pixel / LCD White backlight
- Keyboard: membrane 7 Keys
- Cable connections: Dual row connectors
- Six Relays: Four 100 to 240Vac Powered relays and Two dry contact relays
- Output Modules associated with the chemical measurements
- Four 4-20 mA Current Output channel, 500 Ohm maximum load
- Four Frequency Output channel (Open Collector NPN/PNP) 1 - 120 pulses/min
- Flow Rate control through the Input for Reed sensor
- Hold function by voltage input (15-30 Vdc)
- Internal Power Supply for Chlorine Sensor (24 Vdc @30mA)
- RS485 Serial Port ModBus Standard communication Protocol up to 115200 baud rate
- PT100 Temperature Probe input for measure compensation
- Integrated modules technology with Chlorine measure for water treatment application and SWP
- Full Mode function allows to set the free-viewing configuration to the end user (*only FM model*)
- Preset function to assign a viewing configuration to the specific application (*only FM model*)
- Clock module with backup battery
- Enclosure Box in Wall mounting, ABS material, IP65 Full Box (L: 278 x H: 285 x D: 139.5)

KEY CODE

K	**Kontrol**								
	800	**Kontrol 800**							
		G	**GRAPHIC DISPLAY**						
			00	Basic model					
			01	Basic model + Amp. Chlorine					
			02	Basic model + pH + Redox					
			03	Basic model + pH + Amp. Chlorine					
			04	Basic model + pH + Redox + Amp. Chlorine					
			07	Basic model + pH + Pot. Chlorine (Input-mA)					
			08	Basic model + pH + Redox + Pot. Chlorine (Input-mA)					
			12	Basic model + pH + Redox + Amp. Chlorine + Turbidity					
			13	Basic model + pH + Redox + Pot. Chlorine 1 (Input-mA) + Pot. Chlorine 2 (Input-mA2)					
			14	Basic model + pH + Redox + Amp. Chlorine + Pot. Chlorine 1 (Input-mA) + Turbidity					
			FM (Full Mode)	Basic model + pH + Redox + Amp. Chlorine + Pot. Chlorine 1 (Input-mA) + Turbidity + EC-Conductivity					
				W	Wall type IP65 protection				
					M	Switching 80÷265 Vac			
						0	**FREE/CUSTOM**		
							0	**FREE/CUSTOM**	
								0	**FREE/CUSTOM**

K	**800**	**G**	**04**	**W**	**M**	**0**	**0**	**0**	

PRODUCT LINE

	pH	Redox	EC-Conductivity	Amperometric Chlorine	Potentiostatic Chlorine	Turbidity	Temperature
K800G01WM000				•			•
K800G02WM000	•	•					•
K800G03WM000	•			•			•
K800G04WM000	•	•		•			•
K800G07WM000	•				•		•
K800G08WM000	•	•			•		•
K800G12WM000	•	•		•		•	•
K800G13WM000	•	•			•	•	•
K800G14WM000	•	•		•	•	•	•
K800GFMWM000	•	•	•	•	•	•	•

MEASURE RANGE

pH	0 - 14 pH	± 0.01 pH
Redox	± 1.500 mV	± 1 mV
Conductivity	0.054 – 200.000 µS	± 2 %
Dissolved Oxygen	0 - 20 ppm	± 2 %
Flow Rate	0 - 99.999 l/sec.	± 0.5 Hz
Chlorine	0 - 200 ppm	± 0.01 ppm
PAA	0 - 99.000 ppm	± 0.01 ppm
H2O2	0 - 99.000 ppm	± 0.01 ppm
Bromine	0 - 200 ppm	± 0.01 ppm
Ozone	0 - 99.000 ppm	± 0.01 ppm
Turbidity	0 - 4.000 NTU	± 2 %
Temperature	0 - 100 °C (-32 - 212 °F ± 1.8°F)	± 0.2 °C

DIMENSIONS

