



Technical Characteristics:

Electronic Device K800-Tech

- **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:** 240 x 128 pixel 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 color less
- Hydraulic: By Pass model
- Pressure 5 bar
- Temperature 60°C

Dosing pumps:

- Tekna AKS 603

Features:

- New box design, with increased instrument protection
- Graphic display 5" (240x128 pixel) for easier reading
- Control unit with full parameter access for complete monitoring
- Communication via Serial Port RS485 by Modbus RTU/Asciiprotocol 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

CONTROL UNIT CONTROLLER

KONTROL GUARD Fort SERIES



KEY CODE

1, 2,3	Family	
KPS	Kontrol Panel for Swimming Pool or Drinking Water	
	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)
	XX	pH+Redox with PSS8 probe holder
	6	Probe Holder
	P	PSS-Plexi
	X	Pss-8
	7	Power Supply
	M	100÷240 Vac
	8, 9	Layout
	00	Standard (no dosing pump)
	85	Tekna AKS (solenoid pump)
	86	Kompact AMS (solenoid pump)
	K1	Kronos 10 (peristaltic pump)
	10	Skid
	0	Panel with LCD display
	1	Panel with Graphic display
	K	Cabinet with LCD display
	G	Cabinet with Graphic display
	11,12	Customization
	00	Standard
KPS	02	P M 00 G 00

RESUME TABLE

	pH	ORP	Temperature	Chlorine amperometric cell
KPSXX	•	•	•	
KPS02	•		•	•

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*)
•	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

