

Control and Measuring Instruments





Kontrol 800

Multi-parameter control instrument

The Kontrol 800 is a dedicated multi-parameter controller for complex applications that require a number of chemical parameters to be checked at the same time. The unit features independent proportional control output measures, two programmable frequency outputs, RS 485 serial port with MODBUS protocol, three relays outputs, probe quality checking and Data logging capability.

Parameters

- pH / ORP
- Conductivity
- Chlorine
- Chlorine Dioxide

Applications

- Waste Water
- Drinking Water
- Cooling Towers
- Boiler
- Legionella disinfection
- Reverse Osmosis
- Sludge
- Crate Wash
- Galvanic Process
- Dioxide Station
- CIP
- Irrigation
- Swimming Pool
- Fish Farming
- Sea water
- Dairy

Features

Graphic display and Keypad

Simultaneous value of the measure, Temperature and Relay status.

4-line, 20-character Alphanumeric Display.

Seven control keys for instrument calibration and configuration.

Enclosure Box and Power Supply

Wall mounting ABS plastic material IP65.

Universal Power Supply
100÷240 Vac 50/60 Hz

Manual controls

The user-friendly programming step menu makes starting up and checking the control and dosing system easy.

Data logging

Internal Flash memory to load record measures values.

Type: Circular (F.I.F.O.) or Filling.

RS485 Serial port

For set-up and real-time data acquisition from remote or for stored data download on PC or laptop (Communication software **Sekonet** required).

MODBUS RTU communication protocol.

Measure Input

High measuring resolution with probe quality control.

Modular measuring system.

Chlorine measure in sea water application.

Digital Input

Double channel, Voltage Input and Reed level input to disable all function controller output.

Current outputs

4÷20mA Galvanic isolation

Two (2) programmable Output Measure.

Frequency Outputs

1÷120 Pulse/Minutes open collector Isolation channel.

Two (2) programmable Output Measure.

Relay Outputs

Three (3) independent relays,
Three (3) set point measure with power contact.

One Alarm remote dry contact

One Set point Measure dry contact.

On/OFF, Timed, Proportional routine function setting.

Measure range

Code	Description
pH	0 ÷ 14,00 pH
ORP	± 2000 mV
Conductivity	1 ÷ 200/10 ÷ 2000/100 ÷ 20.000 µS
Chlorine (Amperometric Cell)	0 ÷ 5,00 ppm (*)
Chlorine and Chlo. Dioxide (Potentiostatic Cell)	0 ÷ 0,50 / 1,00 / 2,00 / 5,00 / 10,0 / 20,0 / 200,0 ppm
Temperature	with PT100/PT1000 0 ÷ 100°C (32 ÷ 212 °F)

(*): Amperometric Chlorine CU+PT sensors

Product line Kontrol 800 Single parameter

Code	Model	Description
K800L01	Kontrol CL 800	for Amperometric Chlorine values
K800L06	Kontrol CL _p 800	for Free and Total Potentiostatic Chlorine values

Product line Kontrol 800 Double parameters

K800L02	Kontrol PR 800	for pH/ORP - pH/ORP values
K800L03	Kontrol PC 800	for pH/Amperometric Chlorine values
K800L04	Kontrol PRC 800	for pH/ORP - Amperometric Chlorine values
K800L05	Kontrol PR+EC 800	for pH/ORP - Conductivity values
K800L07	Kontrol PC _p 800	for pH + Potentiostatic Chlorine values
K800L08	Kontrol PRC _p 800	for pH /ORP + Potentiostatic Chlorine values
K800L09	Kontrol PRC _p +C _A 800	for pH/ORP + Pot. and Amperometric Chlorine values

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