

Control and Measuring Instruments





Kontrol 40-42

Single and multiple-parameter control instruments

The Kontrol 40 and 42 are single and multiple-parameter controllers respectively. These very user-friendly systems combine advanced performance and simple design. Single-parameter units are available in four different casings, ensuring perfect fit at the right price.

Parameters

- pH / ORP
- Conductivity
- Chlorine
- Chlorine Dioxide
- Flow Rate

Applications

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

Features

Graphic display and Keypad

Simultaneous value of the measure, Temperature and Relay status. 2-line, 16 character Alphanumeric Display. Four control keys for instrument calibration and configuration.

Enclosure Box and Power Supply

Four (4) mechanical box:
Wall mounting PP (IP65)

Panel mounting:
96x96 IP65 Front panel
48x96 IP40
Din-Rail (6 modules) IP40

Universal Power Supply
100÷240 Vac 50/60 Hz and 24Vac/dc

Kontrol 40-42

Manual controls

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

Measure Input

High measuring resolution with probe quality control.

Modular measuring system

Chlorine measure in sea water application

Digital Input

Voltage Input to disable all function controller output.

Current outputs

4÷20mA Galvanic isolation

One(1) programmable measurement output.

Relay Outputs

Two (2) independent function, two Set point Measure, dry contact.

Software-set alarm functions.

Routine function settings : ON/OFF, Timed or proportional

Measure range

Code	Description
pH	0 ÷ 14,00 pH
ORP	± 1500 mV
Conductivity	1 ÷ 200/10 ÷ 2000/100 ÷ 20000/200 ÷ 50000 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 0 ÷ 100°C (32 ÷ 212 °F)
Flow Rate	99 999,99 Liters/second (*)

(*) Setting by software following unit measures: l/s, l/h, m³/h, GPM.

Product line Kontrol 40 Single parameter

Code	Model	Description
SPR040	Kontrol 40	for pH/ORP values
SCD040	Kontrol 40	for Conductivity value
SCL040	Kontrol 40	for Potentiostatic Chlorine value
SFX040	Kontrol 40	for Flow Rate value

Product line Kontrol 42 Double parameters

K042PR	Kontrol 42	for pH/ORP and pH/ORP values
K042PD	Kontrol 42	for pH/ORP and Conductivity values
K042PC	Kontrol 42	for pH/ORP and Chlorine values
K042CF	Kontrol 42	for Chlorine and Flow Rate values
K042PF	Kontrol 42	for pH/ORP and Flow Rate values
K042DF	Kontrol 42	for Conductivity and Flow Rate values