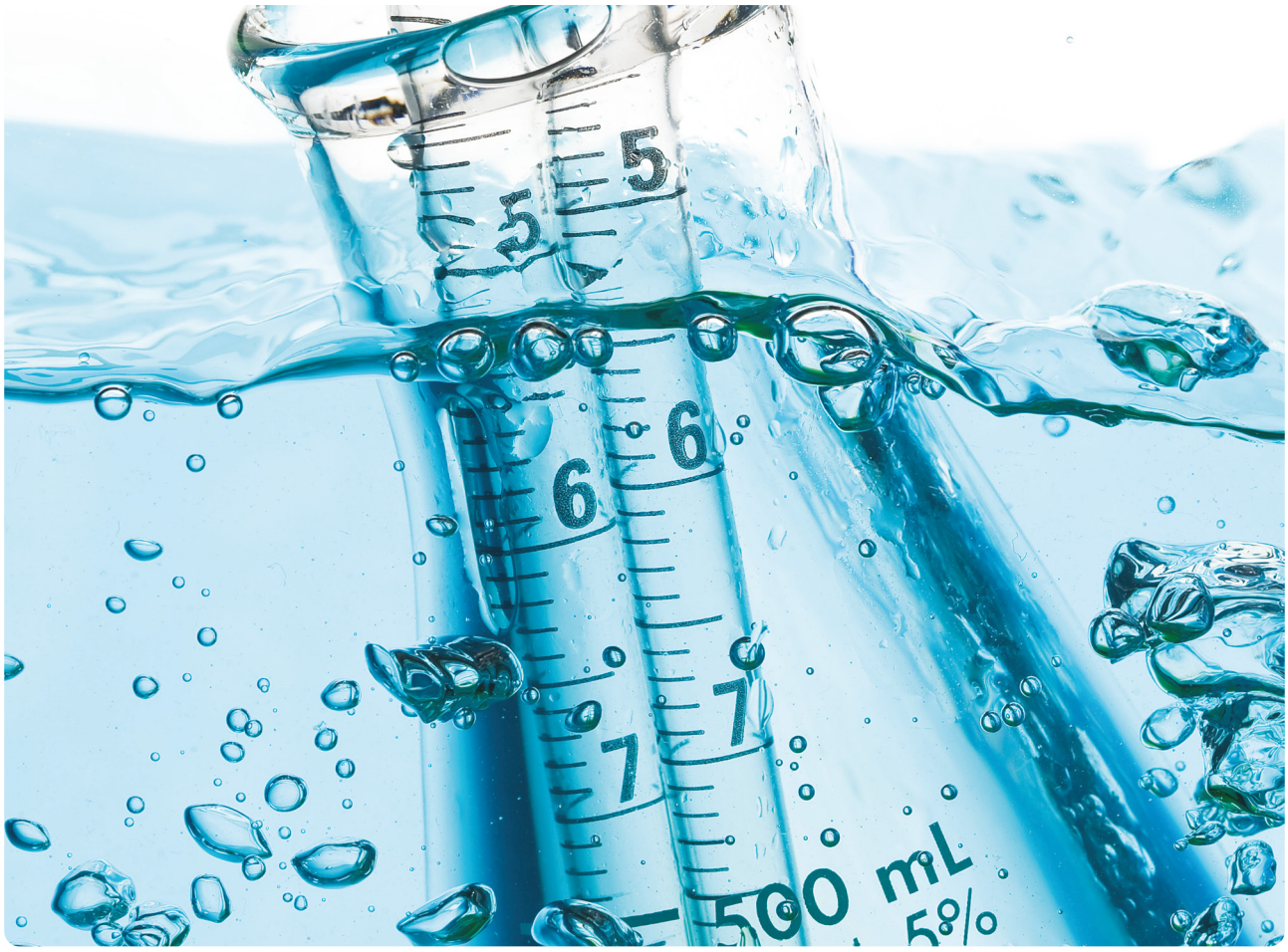
Water & Industry

Controllers 2025

Controllers



Product Overview

		Kontrol 40	Kontrol 42	Kontrol 65	Kontrol 100	Kontrol 102	Kontrol 800	Kontrol 800 Tech
								
Parameter	Single	•		•	•			
	Double		•			•		
	Multi-parameter						•	•
Number of parameter connections	1	•		•	•			
	2		•			•		
	6						•	
	7							•
Mounting	DIN Rail	•						
	Panel	•		•	•	•		
	Wall	•	•	•	•	•	•	•
Connection	RS485				•	•	•	•
	Wi-Fi				•	•	•	•

Features & benefits

- The Kontrol range represents the most advanced solution proposed by SEKO for complete monitoring of industrial water-treatment processes. This is the result of SEKO's dedication to technological innovation and passion in developing measurement systems and solutions that meet the increasingly complex technical needs of the sector. The Kontrol Series also provides high levels of measurement accuracy and control, along with easy-to-use functionality and interfaces.
- The range allows the user to monitor the key parameters that cover every possible application: pH, ORP, conductivity, chlorine, oxygen, turbidity, suspended solids, peracetic acid, ozone, bromine, peroxide, flow rate and temperature. The range also offers the possibility to compensate the measurements in temperature, thus offering a further guarantee on the accuracy of repeatability of the measurements.

Parameter measurements

pH ORP EC DO FW CL PAA H_2O_2 Br O_3 TB SS °C°F

Monitoring exceeded value, displaying a parameter value or building a closed-loop control loop is extremely simple with our measurement sensors for a wide range of process applications. The measured values are provided in real time and can be flexibly taken from various points of the process under control, through bypass or immersion-type probe holders.

Our product line offers a wide range of sensors for different measurement purposes. Thanks to the scalability of these solutions, it is possible to cover all possible applications, from the simplest water treatment activities to the most complex industrial processes, which have more stringent requirements in terms of temperature, pressure, tolerance to contamination and chemical resistance.

Controllers range

Controller Model	K40D	K40Q	K40P	K40W	K42W	K65P
						
Dimensions (mm)	-	48 x 96	96 x 96	144 x 144	280 x 290	96 x 96
Mounting	DIN RAIL 6M53	Panel	Panel	Wall	Wall	Panel
Protection degree	IP40	IP40	IP65 Front Panel; IP20 Back	IP65	IP65	IP65 Front Panel; IP20 Back
Parameter	Single	Single	Single	Single	Double	Single
Measures	pH / Redox EC-Cond	pH / Redox EC-Cond	pH / Redox EC-Cond	pH / Redox EC-Cond	pH + Redox pH + EC-Cond pH + CL-Pot	pH / Redox Conductivity Flow rate In 4 - 20 mA CL-Amp.
Number	1	1	1	1	2	1
Insulation	Advanced **	Advanced **	Advanced **	Advanced **	Basic *	Advanced **
Accuracy (@pH)	± 0.1 pH	± 0.1 pH	± 0.1 pH	± 0.1 pH	± 0.1 pH	± 0.1 pH
Display/backlit display	LCD 16 x 2	LCD 16 x 2	LCD 16 x 2	LCD 16 x 2	2 x LCD 16 x 2	Graphic 128 x 128 Pixel / White
Keyboard	Membrane (4 keys)	Membrane (4 keys)	Membrane (4 keys)	Membrane (4 keys)	2 x Membrane (4 keys)	Membrane (5 keys)
Output relays	2	2	2	2	4	2
Output 4 - 20 mA	1	1	1	1	2	1
Output frequency						1 (400 p/m)
Digital input (Reed)	1	1	1	1		1
Vdc input (Hold)					2 x 15 - 30 Vdc	
Power supply for sensor						18 Vdc @ 30mA
Temperature probe input	Y	Y	Y	Y	Y	Y
RS485 serial port						
Hotspot/station Wi-Fi						
Data storage						
Datalogger function & graphs via SekoWeb						
PID function						
Probe washing						Y
QR code						
Control panel	Y	Y	Y	Y	Y	Y
View mode						Y
Internal clock						
Power supply Requirement	24 Vac, 115 Vac and 230 Vac	24 Vac, 115 Vac and 230 Vac	24 Vac, 115 Vac and 230 Vac	24 Vac, 115 Vac and 230 Vac	100-240 Vac Class1 24 Vac	24 Vac, 115 Vac and 230 Vac
Certification	CE	CE	CE	CE	CE	CE
Manual download						Web link

(*) Basic Insulation: Insulation compliant with Class II requirements; suitable for most standard applications.

K65W	K100P	K100W	K102P	K102W	K800W	K800W Tech
						
144 x 144	96 x 96	144 x 144	96 x 96	220 x 144	280 x 290	280 x 290
Wall	Panel	Wall	Panel	Wall	Wall	Wall
IP65	IP65 Front Panel; IP20 Back	IP65	IP65 Front Panel; IP20 Back	IP65	IP65	IP65
Single	Single	Single	Double	Double	Multi-parameter	Multi-parameter
pH/Redox Conductivity Flow rate In4-20mA CL-Amp.	pH/Redox Conductivity Flow rate In4-20mA	pH/Redox Conductivity Flow rate In4-20mA	pH/ORP-pH/ORP pH/ORP-In4-20mA pH/ORP-EC-Cond pH/ORP-CL-Amp In4-20mA-EC-Cond	pH/ORP-pH/ORP pH/ORP-In4-20mA pH/ORP-EC-Cond pH/ORP-CL-Amp In4-20mA-EC-Cond In4-20mA - In4-20mA	CL-A pH + Redox pH + CL-A pH + Redox + CL-A CL-Pot pH + CL-Pot	CL-A pH + Redox pH + CL-A pH + Redox + CL-A CL-Pot pH + CL-Pot
1	1	1	2	2	6	7
Advanced **	Advanced **	Advanced **	Advanced **	Advanced **	Advanced **	Advanced **
± 0.1 pH	± 0.01 pH	± 0.01 pH	± 0.01 pH	± 0.01 pH	± 0.01 pH	± 0.01 pH
Graphic 128 x 128 Pixel/White	Graphic 128 x 128 Pixel/White, green, orange and red	Graphic 128 x 128 Pixel/White, green, orange and red	Graphic 128 x 128 Pixel/White, green, orange and red	Graphic 240 x 128 Pixel/White, green, orange and red	LCD 4 x 20	Graphic 240 x 128
Membrane (5 keys)	Membrane (5 keys)	Membrane (5 keys)	Membrane (5 keys)	Membrane (5 keys)	Membrane (7 keys)	Membrane (7 keys)
2	2	2	4	4	6 (4 power+2 dry)	6 (4 power+2 dry)
1	2	2	2	2	2	4
1 (400 p/m)	2 (400 p/m)	2 (400 p/m)	2 (400 p/m)	2 (400 p/m)	2 (120 p/m)	4 (120 p/m)
1	1	1	1	1	1	1
	12 - 32 Vdc	12 - 32 Vdc			15 - 30 Vdc	15 - 30 Vdc
18 Vdc @ 30mA	18 Vdc @ 30mA	18 Vdc @ 30mA	24 Vdc @ 500mA	24 Vdc @ 500mA	24 Vdc @ 30mA	24 Vdc @ 30mA
Y	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
						Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y		
Y	Y	Y	Y	Y		
	Y	Y	Y	Y		Y
Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y
					Y	Y
24 Vac, 115 Vac and 230 Vac	100-240 Vac 24 Vac 12-32 Vdc - Class2	100-240 Vac 24 Vac 12-32 Vdc - Class2	100-240 Vac	100-240 Vac	100-240 Vac Class1	100-240 Vac Class1
CE	CE	CE	CE	CE	CE	CE
Web link	QR code	QR code	QR code	QR code		QR code

(**) Advanced Insulation: Insulation above the requirements of Class II; this allows the device to reject the electrical noise present in heavy-industrial applications.

Kontrol 40

A simple, single-parameter control instrument characterised by isolated measurement and suitable for most water-treatment applications

Multiple enclosure

The Kontrol 40 range is designed to ensure maximum safety, user-friendliness and ease of installation for the end user; it is made so that the maintenance of the electronic circuits is as simple as possible without having to reconfigure all the electrical connections. The instruments are available in four different formats:

- For mounting on DIN BAR - IP40
- 48 x 96 mm format for panel mounting - IP40
- 96 x 96 mm format for panel mounting - Front IP65 / Rear IP20
- 144 x 144 mm format in airtight box for wall mounting - IP65

Analogue & relay outputs

All models have two normally-open relays that can be managed and activated when two independent thresholds are exceeded, as well as a programmable 4 - 20 mA analogue output.

Intuitive menu

A self-explanatory and easy-to-read menu guides the operator step by step in configuring the device, making programming quick and simple.

Statistical data

A statistical menu displays the number of activations performed by the two relays, as well as the number of alarm conditions encountered and the number of pause signals received (input reed signal).

Multi-method relay activation

The relays can be activated in three different ways: when a threshold value is exceeded, by time, in PWM mode (in ON / OFF mode with increasing OFF times as the threshold is approached).

Guided calibration

A guided calibration routine helps the user in the maintenance of the probe and in setting the operating parameters.

Control panel

The advanced menu allows the user to carry out self-diagnostics and display the status of relays, 4 - 20 mA output, calibration parameters and firmware version.

Available measures

pH ORP EC °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.1 pH
ORP	± 1,500 mV	± 5 mV
Electrical conductivity	0 – 200 ms (*)	± 5 %
Temperature	0 – 100°C	± 1°C

*Electrical conductivity range is dependant on the cell constant determination

Technical features

Features	Description	
Single measure	From the above list	Single channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation measure or activation outputs	PT100 sensor
Reed input	Hold function	Dry contact
Two-relay device	Normally-open status	10A 250V (dry contact)
One 4 - 20 mA channel	Output current analogue signal	500 ohm max load
Display	Alphanumeric with backlight	2x16 LCD
Power supply	24 Vac; 115 Vac; 230 Vac	CE Class II (no earth connection required)
Enclosure box	DIN bar (6 modules) 48 x 96 mm 96 x 96 mm 144 x 144 mm	DIN rail mounting: IP40 Panel mounting: IP40 Panel mounting: IP65 (front) Wall mounting: IP65

Kontrol 42

A simple control instrument with double-parameter measurement, designed for less-complex water-treatment applications

Double measurement

Kontrol 42 is a reliable and easy-to-use double-parameter measuring instrument designed for simple water-treatment applications.

Analogue & relay outputs

Kontrol 42 has four normally-open relays, two for each measurement, which can be activated according to the exceeding of a threshold and two programmable analogue outputs.

Statistical data

A statistical menu allows the user to view the number of activations carried out by the two relays, the number of alarm conditions encountered and the number of pause signals received (hold signal).

Multi-method relay activation

Relays can be activated in three different ways: when a threshold value is exceeded, by time, or in PWM mode (in ON / OFF mode with increasing OFF times as the threshold is approached).

Intuitive menus

Self-explanatory and easy-to-follow menus guide the operator, step by step, in the configuration of the device, ensuring quick and simple programming.

Wizard calibration

A wizard calibration routine helps in carrying out the maintenance operations of the probe and in setting the operating parameters.

Control panel

The advanced menu allows you to perform some self-diagnostic operations and view the status of relays, 4 - 20 mA output, calibration parameters and firmware version.

Available measures pH ORP EC CL °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.1 pH
ORP	± 1,500 mV	± 5 mV
Electrical conductivity	1 – 50,000 µS	± 5 %
Chlorine	0 – 200 ppm	± 0.01 ppm
Temperature	0 – 100°C	± 1°C

Technical features

Features	Description	
Double measurement	Combination from the above list	Double channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation measure or activation outputs	PT100 sensor
Voltage input	Hold function	15 – 30 Vdc
Four-relay device	Normally-open status	10A 250V (dry contact)
Two 4 - 20 mA channel	Output current analogue signal	500 ohm max load
Display	Double alphanumeric with backlight	2 x LCD 2x16
Power supply	100 - 240 Vac	CE Class I (no earth connection required)
Enclosure box	290 x 280 mm	Wall mounting; IP65

Kontrol 65

Single-parameter instrument characterised by isolated measurement and usable for most water-treatment applications

One large display and two formats

The instruments of the Kontrol 65 family are equipped with a large 128 x 128-pixel backlit graphic display, which makes viewing the measurement immediate and effective. The instruments are available in two formats:

- 96 x 96 mm for panel mounting, with front IP65 and rear IP20 protection
- 144 x 144 mm for wall mounting, with IP65 protection

Digital & analogue outputs

The Kontrol 65 instruments have two normally open relays, which can be associated with measurement, probe washing, temperature or alarm repetition; they also have a 4 - 20 mA output and a frequency output, easily programmable by the end user.

Probe washing

It is possible to programme one of the two relays to activate a probe washing cycle. The washing method is based on three phases: activation; waiting time for measurement stabilisation after washing; waiting before a new subsequent wash.

TDS function

The conductivity measurement can be also visualised in ppm (parts per million) for cooling tower treatment applications and ohms (resistivity) for reverse osmosis applications; this is due to the total dissolved solids function.

Multi-method relay activation

Relays can be programmed in three different modes: a) activation when a threshold value is exceeded; b) timed activation; c) in PWM mode (in ON / OFF mode with increasing OFF times as the threshold is approached).

Temperature measure function

One of the two relays, the frequency output or the 4 - 20 mA analogue output can be associated with temperature measurement.

Wizard calibration

A wizard calibration routine helps in the correct use of probe maintenance operations and in the setting of operating parameters.

Alarms

A list of alarm messages can be displayed on the instrument's large screen. The main alarms are activated when: temperature is out of range, probes are non-functioning, OFA overdose (setpoint not reached within the expected time) and errors due to insufficient flow.

Available measures

pH ORP EC DO FW AP CL PAA H_2O_2 Br O_3 °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.01 pH
ORP	± 2,000 mV	± 5 mV
Electrical conductivity	0.054 – 200,000 µS	± 5 %
Dissolved oxygen	0 – 20 ppm	± 2 %
Flow rate	0 – 99,999 l/s	± 0.5 Hz
Amperometric chlorine	0 – 5 ppm	± 0.1 ppm
Potentiostatic chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99,000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99,000 ppm	± 0.01 ppm
Bromine	0 – 99,000 ppm	± 0.01 ppm
Ozone	0 – 99,000 ppm	± 0.01 ppm
Temperature	0 – 100°C	± 1°C

Technical features

Features	Description	
Single measure	From the above list	Single channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation measure or activation outputs	PT100 sensor or PT1000
Reed input	Hold function	Dry contact
Two-relay device	Normally open status	5A - 250V (dry contact)
One solid state relay	Output frequency signal	1 - 400 pulses/minute
One 4 - 20 mA channel	Output current analogue signal	500 ohm max load
Display	Backlit graphic display	128 x 128 pixel
Power supply	24 Vac; 115 Vac; 230 Vac	CE Class II (no earth connection required)
Enclosure box	96 x 96 mm 144 x 144 mm	Panel mounting - IP65 (front) Wall mounting - IP65

Kontrol 100

Single-parameter instrument for high-precision applications and greater measurement accuracy

Maximum precision

The Kontrol 100 family is ideal for professional water-treatment applications that require accurate measurement of critical parameters. The devices feature a reinforced galvanic isolation and guarantee high-precision measurement.

PID algorithm

The Kontrol 100 series allows the user to programme outputs relating to the parameter detected according to a PID algorithm, widely used in industrial applications for process control.

One large display and two formats

The instruments of the Kontrol 100 family have a large 128 x 128-pixel high-contrast backlit graphic display that changes colour depending on the working condition of the device, to signal alarm situations or other operating conditions. The instruments are available in two formats:

- 96 x 96 mm for panel mounting, with front IP65 and rear IP20 protection
- 144 x 144 mm for wall mounting, with IP65 protection

RS485 Modbus RTU / ASCII serial port

The RS485 serial port, on which a standard Modbus RTU / ASCII communication protocol is installed, allows the device to be connected to the local network of an existing system. The same port can also be used to connect the device to a local SEKO hub to then be managed over the internet via the SekoWeb portal.

Digital & analogue outputs

Kontrol 100 units have two normally-open status relays, which can be associated with measurement, probe washing, temperature or alarm repetition; they also have two 4 - 20 mA outputs and two frequency outputs, easily programmable by the end user.

Probe washing

It is possible to programme one of the two relays to activate a probe washing cycle. The washing method is based on three phases: activation; waiting time for measurement stabilisation after washing; waiting before a new subsequent wash.

TDS function

The conductivity measurement can be also visualised in ppm (parts per million) for cooling tower treatment applications and ohms (resistivity) for reverse osmosis applications; this is due to the total dissolved solids function.

Temperature measure function

One of the two relays, one of the frequency outputs or one of the 4 - 20 mA analogue outputs can be associated with the temperature measure.

QR codes

These tools have a QR code that returns the current configuration of the device on a smartphone, including advanced settings and calibration values. This function is used for helping plant technicians identify incorrect settings or understand how to improve device performance.

Available measures

pH ORP EC DO FW CL PAA H_2O_2 Br O_3 TB °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.01 pH
ORP	± 2,000 mV	± 1 mV
Electrical conductivity	0.054 – 200,000 µS	± 2 %
Dissolved oxygen	0 – 20 ppm	± 2 %
Flow rate	0 – 99,999 l/s	± 0.5 Hz
Chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99,000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99,000 ppm	± 0.01 ppm
Bromine	0 – 99,000 ppm	± 0.01 ppm
Ozone	0 – 99,000 ppm	± 0.01 ppm
Turbidity	0 – 4,000 NTU	± 2 %
Temperature	-50 – 100°C	± 0.2°C

Technical features

Features	Description	
Single measure	From the above list	Single channel, high precision
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation measure or activation outputs	PT100 sensor or PT1000
Voltage input	Hold function	24 Vac
Reed input	Hold function	Dry contact
Serial port	RS485 protocol	Modbus RTU/ASCII
Two-relay device	Normally-open status	5A - 250V (dry contact)
Two solid state relays	Output frequency signal	1 - 400 pulses/minute
Two 4 - 20 mA channel	Output current analogue signal	500 ohm max load
Display	Graphic display with coloured backlight	128 x 128 high-contrast pixels
Power supply	12 - 32 Vdc/24 Vac or 100 - 240 Vac	CE Class II (no earth connection required)
Enclosure box	96 x 96 mm 144 x 144 mm	Panel mounting - IP65 (front) Wall mounting - IP65

Kontrol 102

Double-parameter control instrument for ultra-high-precision applications equipped with RS485 Modbus port

One large display and two formats

The control instruments of the Kontrol 102 family have large high-contrast backlit graphic displays that change colour depending on the working condition of the device. In the version for wall mounting, a new 240 x 128-pixel display is used which allows an effective simultaneous display of the two measurements under examination through the use of large characters. The two formats available are:

- 96 x 96 mm for panel mounting, with front IP65 and rear IP20 protection
- 220 x 144 mm for wall mounting, with IP65 protection

Digital & analogue outputs

Kontrol 102 instruments are equipped with four normally-open status relays, which can be associated with measure, probe washing, temperature or signal repetition; they also have two 4 - 20 mA outputs and two frequency outputs, easily programmable by the end user.

PID algorithm

The Kontrol 102 series allows the user to programme the outputs according to the parameters detected according to a PID algorithm, widely used in industrial applications for process control.

RS485 Modbus RTU/ ASCII serial port

The RS485 serial port, on which a standard Modbus RTU/ASCII communication protocol is installed, allows the device to be connected to the local network of an existing system. The same port can also be used to connect the device to a local SEKO hub to then be managed over the internet via the SekoWeb portal.

Double measurement

Kontrol 102 allows the simultaneous measurement of two parameters and this makes the instrument ideal for professional water-treatment applications that require reliability, precision and accuracy.

TDS function

The conductivity measurement can be also visualised in ppm (parts per million) for cooling tower treatment applications and ohms (resistivity) for reverse osmosis applications; this is due to the total dissolved solids function.

Probe washing

It is possible to programme one of the two relays to activate a probe washing cycle. The washing method is based on three phases: activation; waiting time for measurement stabilisation after washing; waiting before a new subsequent wash.

Temperature measure function

The output relays, the frequency outputs and the 4 - 20 mA analogue outputs can be associated with the temperature measure.

Available measures

pH ORP EC DO CL PAA H_2O_2 Br O_3 TB SS °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.01 pH
ORP	± 2,000 mV	± 1 mV
Electrical conductivity	0.054 – 200,000 µS	± 1 %
Dissolved oxygen	0 – 20 ppm	± 1 %
Flow rate	0 – 99,999 l/s, l/m, l/h, m3/h, GPM	± 0.5 Hz
Chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99,000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99,000 ppm	± 0.01 ppm
Bromine	0 – 99,000 ppm	± 0.01 ppm
Ozone	0 – 99,000 ppm	± 0.01 ppm
Turbidity	0 – 4,000 NTU	± 1 %
Suspended solids	0 – 30 g	± 1 %
Temperature	-50 – 150°C	± 0.1°C

Technical features

Features	Description	
Double measure	Combination from the above list	Double channel, high precision
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation measure or activation outputs	PT100 sensor or PT1000
Reed input	Hold function	Dry contact
Serial port	RS485 protocol	Modbus RTU/ASCII
Four-relay device	Normally open status	5A - 250V (dry contact)
Two solid state relays	Output frequency signal	1 - 400 pulses/minute
Two 4 - 20 mA channel	Output current analogue signal	800 ohm max load
Display	Display graphic with colour backlight	128 x 128 high-contrast pixels 240 x 128 high-contrast pixels
Power supply	100 - 240 Vac	CE Class II (no earth connection required)
Enclosure box	96 x 96 mm 220 x 144 mm	Panel mounting - IP65 (front) Wall mounting - IP65

Kontrol 800

Multi-parameter control instrument with isolated measurement for both simple and complex water-treatment applications

Format and display

Kontrol 800 is housed in a 280 x 290 mm IP65 enclosure and is equipped with a 4-line, 20-character LCD display.

Multi-parametric

Kontrol 800 is a multi-parametric control instrument capable up to six simultaneous measurements for professional water-treatment applications.

Statistical data

By activating the statistics function, the user can view the details of the acquired measurements or reset the stored statistics.

Serial port RS485 Modbus RTU/ASCII

The RS485 serial port, on which a standard Modbus RTU/ASCII communication protocol is installed, allows the device to be connected to the local network of an existing system. The same port can also be used to connect the device to a local SEKO hub to manage it via the internet through the SekoWeb portal.

Multi-method relay activation

The relays can be programmed in three different modes: a) activation when a threshold value is exceeded; b) timed activation; c) in PWM mode (in ON/OFF mode with increasing OFF times as the threshold is approached).

Control panel

The advanced menu allows the user to carry out self-diagnostics and view the status of relays, 4 - 20 mA outputs, calibration parameters and firmware version.

Digital & analogue outputs

Kontrol 800 is equipped up to four powered relays - normally-open status - which can be associated with measure, probe washing, temperature or alarm repetition. In addition, two other dry contact relays with two 4 - 20 mA outputs and two frequency outputs, easily programmable by the user.

Available measures

pH ORP EC DO FW CL PAA H_2O_2 BR O_3 °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.01 pH
ORP	± 2,000 mV	± 1 mV
Electrical conductivity	0.054 – 200,000 µS	± 2 %
Dissolved oxygen	0 – 20 ppm	± 2 %
Flow rate	0 – 99,999 l/s	± 0.5 Hz
Chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99,000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99,000 ppm	± 0.01 ppm
Bromine	0 – 10 ppm	± 0.01 ppm
Ozone	0 – 99,000 ppm	± 0.01 ppm
Temperature	0 – 100°C	± 0.2°C

Technical features

Features	Description	
Multiple measure	Combination from the above list	Multiple measurement channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation of measurements or activation of an output	PT100 sensor
Voltage input	Hold function	24 Vac
Reed input	Hold function	Dry contact
Serial port	RS485 protocol	Modbus RTU/ASCII
Six output relays	Normally-open status	Up to 4 are powered 10A - 250 Vac 2 are dry contact 10A - 250 Vac
Two solid state relays	Output frequency signal	1 - 120 pulses/minute
Two 4 - 20 mA channel	Output current analogue signal	500 ohm max load
Display	Alphanumeric display	4 x 20 LCD
Power supply	100 - 240 Vac	CE Class I (earth connection required)
Enclosure box	278 x 285 x 140 mm	Wall mounting with bracket - IP65

Kontrol 800 Tech

Multi-parametric control instrument with isolated measurement and graphic display suitable for complex water-treatment applications

Format and display

Kontrol 800 Tech is housed in a 280 x 290mm IP65 enclosure and is equipped with a 240 x 128-pixel backlit LCD graphic display.

Multi-parametric

Kontrol 800 Tech is a multi-parametric control instrument capable up to seven simultaneous measurements for professional water-treatment applications.

Statistical data

By activating the statistics function, the user can view details of acquired measurements or reset stored statistics, both in table and graphic format.

Serial port RS485 Modbus RTU/ASCII

The RS485 serial port, on which a standard Modbus RTU / ASCII communication protocol is attested, allows the device to be connected to the local network of an existing system. The same port can also be used to connect the device to a local SEKO hub to also be able to manage it via the internet through the SekoWeb portal.

Multi-method relay activation

Relays can be programmed in three different modes: a) activation when a threshold value is exceeded; b) timed activation; c) in PWM mode (in ON / OFF mode with increasing OFF times as the threshold is approached).

Control panel

The advanced menu allows the user to carry out self-diagnostics and view the status of relays, 4 - 20 mA outputs, calibration parameters and firmware version.

Digital & analogue outputs

Kontrol 800 Tech is equipped with four powered relays - normally-open status - which can be associated with measure, probe washing, temperature or alarm repetition. In addition, two other dry contact relays with reed and general alarm purposes, with four 4 - 20 mA outputs and four frequency outputs, easily programmable by the user

"Full Mode" version with pre-installed configurations

The Kontrol 800 Tech "Full Mode" version features pre-installed system configurations adapted for process applications such as irrigation, industrial water treatment and swimming pools. The "Full Mode" operating version, thanks to a large graphic display, provides the end user with a complete range of options for configuring each measurement.

Available measures

pH ORP EC DO FW CL PAA H_2O_2 Br O_3 TB °C°F

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.01 pH
ORP	± 2,000 mV	± 1 mV
Electrical conductivity	0.054 – 200,000 µS	± 2 %
Dissolved oxygen	0 – 20 ppm	± 2 %
Flow rate	0 – 99,999 l/s	± 0.5 Hz
Chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99,000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99,000 ppm	± 0.01 ppm
Bromine	0 – 10 ppm	± 0.01 ppm
Ozone	0 – 99,000 ppm	± 0.01 ppm
Turbidity	0 – 4,000 NTU	± 2 %
Temperature	0 – 100°C	± 0.2°C

Technical features

Features	Description	
Multiple measure	Combination from the above list	Multiple measurement channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation of Measurements or activation of an output	PT100 sensor
Voltage input	Hold function	24 Vac
Reed input	Hold function	Dry contact
Serial port	RS485 protocol	Modbus RTU/ASCII
Six output relays	Normally-open status	4 are powered 10A - 250 Vac| 2 are dry contact 10A - 250 Vac
Four solid state relays	Output frequency signal	1 - 120 pulses/minute
Four 4 - 20 mA outputs	Output current analogue signal	500 ohm max load
Display	Backlit LCD graphic display	240 x128 pixels (White background/blue font)
Power supply	100 - 240 Vac	CE Class I (earth connection required)
Enclosure box	278 x 285 x 140 mm	Wall mounting with bracket - IP65

Globally Present, Locally Active

Twenty-three national SEKO companies across six continents means that, wherever you are, you enjoy the same exceptional level of service as every SEKO customer around the world.

And an accredited partner distributor network allows us to provide local customer support in over 120 countries, so you benefit from region-specific knowledge and rapid delivery of goods as well as world-class after-sales service and technical assistance.

SEKO Hub

A world of SEKO in one

For everyone from buyers and engineers to end users, SEKO Hub is the ultimate all-encompassing platform that brings you to the heart of SEKO and gives you what you need when you need it.

Bringing together essential documents such as manuals, case studies, data sheets and brochures as well as tutorial videos, favourite products, an appointment booking system and so much more, SEKO Hub is a central personalised platform to revolutionise the way you work.

SEKO Hub is available online or via app, so you're never without it whether you're at work, at home or on the move. It's your home for the complete SEKO experience, so join SEKO Hub and make our world a part of yours.

seko.com