



# KONTROLLER SERIES

Products Overview



## Product line

**K200 PR**  
for pH, ORP and flow rate

**K200 AP**  
for Amperometric Chlorine probe

**K200 MP**  
for CL, PAA, H<sub>2</sub>O<sub>2</sub>, NTU, O<sub>2</sub> or custom measure

**K200 CD**  
for conductivity

**K200 FX**  
for flow rate value with single or double sensor

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.1 pH
ORP	± 2000 mV	± 5 mV
Electrical conductivity	0.054 – 200000 µS	± 5 %
Flow rate	0 – 99999 l/sec.	± 0.5 Hz
Amperometric Chlorine	0 – 5 ppm	± 0.1 ppm
Potentiostatic Chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99000 ppm	± 0.01 ppm
Bromine	0 – 10 ppm	± 0.01 ppm
Ozone	0 – 99000 ppm	± 0.01 ppm

## Technical features

Features	Description	
Single measure	From the above list	Single channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation or activation outputs	PT100 or PT1000 sensor
Reed input	Reed function	Resistive contact
Two relays device	Normally Open status	5A 250V (dry contact)
One solid state relay	Output frequency signal	1 - 120 pulse/min
One 4 - 20 mA channel	Output current analog signal	500 ohm max load
Display	Graphic with multi colour backlight	128 x 128 pixel
Power supply	12 - 36 Vdc/24 Vac or 100 - 240 Vac	CE Class 2
Enclosure box	144 x 144 mm 96 x 96 mm	IP65 wall mounting IP65 panel mounting

# 200 Kontroller Series



## FEATURES

The 200-series are advanced controllers designed for high-end applications. The units feature and independent proportional control output, probe quality checking and a variety of outputs. The user has full programming authority.

### Applications

- Waste water
- Boilers
- Dairy
- Reverse osmosis
- CIP
- Galvanic process
- Fish farming
- Irrigation
- Drinking water
- Cooling towers

## Technical Characteristics

### Graphic display and Keypad

128 by 128 pixel resolution monochrome display with graphic icons to show digital output status, washing cycle, alarms. Simultaneous flashing values for the measurement (numeric + bargraph) and temperature readings. Five control keys for instrument calibration and configuration.

### Enclosure Box and Power Supply

- ▶ Wall mounting ABS plastic material IP65 full box (144x144x122)
- ▶ Panel mounting ABS IP65 front panel only (96x96x42)
- ▶ Universal Power Supply 100÷240 Vac 50/60 Hz
- ▶ Low Power Supply 12÷32 Vdc or 24 Vac

### Current outputs with Galvanic isolation

- ▶ 4÷20mA output
- ▶ One independent programmable Output Measures with Proportional routine regulation.

### Relay Outputs

Two independent relays, two set points, alarm remote and back washing probe setting by software. On/OFF, Timed and Proportional (PWM) routine function setting.

### Solid State Relay (SSR)

One Frequency output signal, one set points.

### Snail Lock fixing system

Quick connection for panel mounting version.



## Product line

**K400 PR**  
for pH, ORP and flow rate

**K400 MP**  
for CL, PAA, H<sub>2</sub>O<sub>2</sub>, NTU, O<sub>2</sub> or custom measure

**K400 CD**  
for conductivity

**K400 FX**  
for flow rate value with single or double sensor

Measure	Range	Nominal accuracy
pH	0 – 14 pH	± 0.01 pH
ORP	± 2000 mV	± 1 mV
Electrical conductivity	0.054 – 200000 µS	± 2 %
Dissolved oxygen	0 – 20 ppm	± 2 %
Flow rate	0 – 99999 l/sec.	± 0.5 Hz
Chlorine	0 – 200 ppm	± 0.01 ppm
Peracetic acid	0 – 99000 ppm	± 0.01 ppm
Hydrogen peroxide	0 – 99000 ppm	± 0.01 ppm
Bromine	0 – 10 ppm	± 0.01 ppm
Ozone	0 – 99000 ppm	± 0.01 ppm
Turbidity	0 – 4000 NTU	± 2 %
Temperature	-50 – 100°C	± 0.2°C

## Technical features

Features	Description	
Single measure	From the above list	Single channel
Calibration	Single or double point	Wizard calibration routine
Temperature measure	Compensation or activation outputs	PT100 or PT1000 sensor
Voltage input	Hold function	24 Vac
Reed input	Reed function	Resistive contact
Serial port	Communication device	RS485 Modbus RTU/ASCII
Two relays device	Normally Open status	5A 250V (dry contact)
Two solid state relay	Output frequency signal	1 - 120 pulse/min
Two 4 - 20 mA channel	Output current analog signal	500 ohm max load
Display	Graphic with multi colour backlight	128 x 128 pixel
Power supply	12 - 36 Vdc/24 Vac or 100 - 240 Vac	CE Class 2
Enclosure box	144 x 144 mm 96 x 96 mm	IP65 wall mounting IP65 ( panel mounting)

# 400 Kontroller Series



## FEATURES

The 400-series are advanced controllers designed for high-end applications.

The units feature and independent proportional control output, probe quality checking and a variety of outputs.

The user has full programming authority.

### Applications

- Waste water
- Boilers
- Dairy
- Reverse osmosis
- CIP
- Galvanic process
- Fish farming
- Irrigation
- Drinking water
- Cooling towers

## Technical Characteristics

### Graphic display and Keypad

128 by 128 pixel resolution monochrome display with graphic icons to show digital output status, washing cycle, alarms with red backlight. Simultaneous flashing values for the measurement (numeric + paragon) and temperature readings. Five control keys for instrument calibration and configuration.

### Enclosure Box and Power Supply

- ▶ Wall mounting ABS plastic material IP65 full box (144x144x122)
- ▶ Panel mounting ABS IP65 front panel only (96x96x42)
- ▶ Universal Power Supply 100÷240 Vac 50/60 Hz
- ▶ Low Power Supply 12÷32 Vdc or 24 Vac

### Current outputs with Galvanic isolation

- ▶ 4÷20mA output
- ▶ Two independent programmable Output Measures with Proportional routine regulation.

### Relay Outputs

Two independent relays, two set points, alarm remote and back washing probe setting by software. On/OFF, Timed and Proportional (PWM) routine function setting.

### Solid State Relay (SSR)

Two Frequency output signal, two set points.

### Snail Lock fixing system

Quick connection for panel mounting version.

Mytho gained a large experience in the water treatment and chemical analysis. Beside the design, manufacturing and distribution of its products, Mytho is specialized in developing specific customized products, with a high degree of personalisation. OEM is also an important part of its business. Well known for the quality and service provided, Mytho is today an ideal partner for the most demanding customers.

From the early beginning, Mytho has been specialized in the design and manufacturing of solenoid Metering Pumps Motor Driven Metering Pumps (Spring and Positive return)



For more information about our portfolio, worldwide locations, approvals, certifications, and local representatives, for more information please visit [www.mytho.com](http://www.mytho.com)

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