

Krypton K CL2

Measuring and control system for free chlorine

- Low maintenance by automatic sensor cleaning
- Pressure-proof up to 6 bar at 20°C
- Higher safety by integrated flow monitoring



applications



Drinking Water / Beverages



Food Industry



Disinfection



Cooling And Boiler Feed Water

description

Ready for use and tested en bloc system to measure and control of Free Chlorine.



Krypton K Cl₂

Measuring and control system for free chlorine

particular characteristics

- Inclusive instrument, single rod sensor, PMMA flow assembly (with sampling point, stop cocks for inlet and outlet, flow monitoring and temperature sensor), automatic sensor cleaning ASR and all necessary cables
- Plain text menu guidance
- Password function
- 2 limit values with delay, assigned to alarm relay
- 2 separate PI-controllers
- Dosage check
- Background illuminated two-line LC-Display for measured value and temperature
- Serial interface RS 485
- Scaleable, galvanically isolated 0/4 .. 20 mA output
- Display of relay status and error messages
- Invertible alarm output, permanent or pulse contact

information

The measuring system Krypton K is also available in 117 VAC and 24 VAC - without additional charge



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technical data

measuring parameter

free Chlorine 0.00 .. 4.00 mg/l Cl₂

input characteristics

temperature measuring range -30 .. +140°C
flow monitoring conditions Flow monitor with integrated Pt 100

max. pressure 6 bar (at 20°), constant
flow ~ 30..200 l/h, constant
ambient temperature 0..50 °C
pH-range pH 6..8, constant
min. conductivity >150 µS/cm

output characteristics

output signal 0/4 .. 20 mA (scaleable, galvanically isolated)
load max. 500 Ohm
registration range adjustable within measuring range
serial interface RS 485
baud rate 9600
data format 8 bit

power supply

line voltage 24 / 117 / 230 VAC, +6 / -10 %, 40 .. 60 Hz
power consumption 10 VA

ambient conditions

ambient temperature operation 0 .. +50°C, storage -20 .. +65°C
exception sensors 0 .. 30°C
relative humidity max. 90% rH at 40°C (non-condensing)

protection class

wall mounted housing IP 65

controller

control response on/off controller (adjustable hysteresis)
P/PI controller (pulse-pause, pulse-frequency or continuous output)
relays 2 relays each with potential-free NO contact, max. 250 V, 6 A, 550 VA
1 alarmrelay each with potential-free NO/CO contact, max. 250 V, 6 A, 550 VA
onset delay 0 .. 200 sec until controller active
digital input controller stop via external contact

certificates and approvals

CE-symbol Declaration of conformity: The product meets the requirements of the harmonized European standards. It thus complies with the legal requirements of the EC directives.



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mechanical construction

material

board: PVC, assembly: PMMA, cocks: PP/PVC

dimensions

instruments: ABS, sensors: glass

700 x 395 mm

sampling point

1/4" female threat with stop cock

water coupling

inlet/ outlet: 1/2" female threat (with stop cock)

tube connection DN 6/8

order information

name

description

article number

Krypton K CL2

measuring system (230 V), Free Chlorine

70005200K

accessories

sensors

AuAu-600-OO-2-1-PG

AuAu-600-OO-2-1-PG is a single rod sensor with integrated counter electrode. This potentiostatic double gold sensor is in combination with our instruments suitable for measuring free Chlorine, Chlorine Dioxide and Ozone.

Pt-55-W

The temperature sensor Pt 100 is a temperature probe which is based on the resistance change of platin at temperature influence.

accessories

CHECKIT Comparator

The CHECKIT Comparator is a compact handy colorimeter unit which is suitable for both mobile and static analysis work. CHECKIT Comparator is a colorimetric rapid test for easy determination of Free Chlorine, Total Chlorine, Chlorine Dioxide or Ozone concentrations that can be used as an indication measurement for our amperometric measuring systems. Naturally, regarding resolution and accuracy, the rapid test does not come close to the Krypton systems, and it cannot replace a photometric measurement. However, it provides a quick orientation and can therefore prove helpful during installation or routine comparison. The CHECKIT Comparator comes in a robust plastic casing with all necessary equipment.

EC-CIRC 15-700

- spherical motor
- 230V/50Hz, 25 W
- circulation capacity: ca. 1m³/h
- pressure: max. 10 bar (at 20°C)
- temperature: max. 110 °C
- hydraulic connection: 1/2" internal screw thread



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PKV 30-DPS

Converter for PROFIBUS-DP for max. 32 instruments of the K 100 oder dialog series. Converting of RS 485 to PROFIBUS-DP interface, instrument in a housing for installation on a top hat rail, dimension 105 X 105 x 80 mm (HxBxT), connectioncable inclusive

S-341 data logger

The bus data logger S-341 on the base of the RS-485 with Kuntze protocol reads, shows, and stores measuring data of up to 10 Kuntze instruments with up to 8 parameters each.

