

# Krypton K SCL2

System for measuring and control of total chlorine

- Higher safety by integrated flow monitoring
- Suitable for high pH values up to pH 12
- Reduced pH influence



## applications



Disinfection



Drinking Water / Beverages



Process Water



Cooling And Boiler Feed Water

## description

Ready for use system to measure and control total chlorine (= free chlorine and organically bound chlorine)



# Krypton K SCL 2

## System for measuring and control of total chlorine

### particular characteristics

- Inclusive instrument, membrane sensor, PMMA flow assembly (with sampling point, stop cocks for inlet and outlet, flow monitoring and temperature sensor) 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 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



# Krypton K SCl2

## System for measuring and control of total chlorine

### technical data

#### measuring parameter

total Chlorine 0 .. 10 mg/l TC12

#### input characteristics

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

max. pressure	0.5 bar
flow	~ 30 .. 200 l/h
ambient temperature	1 .. 45°C
pH-range	4 .. 12 pH

#### output characteristics

output signal 0/4 .. 20 mA (scaleable, galvanically isolated)  
load max. 500 Ohm  
registration range free scaleable within the measuring range  
voltage output +/- 6 VDC  
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 1 .. 45°C  
storage -20 .. +65°C  
Storage sensor: 10 .. 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)  
relays P/PI controller (pulse-pause, pulse-frequency or continuous output)  
3 relays each with potential-free NO contact, max. 250 V, 6 A, 550 VA  
onset delay 0 .. 200 sec till controller active

#### 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.



# Krypton K SCL2

## System for measuring and control of total chlorine

### mechanical construction

material	board: PVC, assembly: PMMA, cocks: PP/PVC instrument: ABS, sensor: PVC, stainless steel
dimensions	700 x 395 mm
sampling point	1/4" female thread with stop cock
water coupling	inlet/outlet: 1/2" female thread with stop cocks and tube connectors DN6/8

### **order information**

<u>name</u>	<u>description</u>	<u>article number</u>
Krypton K SCL2	measuring system (230 V), Total Chlorine	70005300K

### **accessories**

#### 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.
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.
Service-Set SCL2	consisting of: membrane cap M48 elektrolyte gel ECP 1/G

