

Krypton K - Free Chlorine, Chlorine Dioxide, Ozone, or Peroxide

- 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 to use and tested en bloc measuring board for measuring and control of Free Chlorine, Chlorine Dioxide, Ozone or Hydrogen Peroxide

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



technical data

measuring parameter		
parameter	free Chlorine, Chlorine Dioxide, Ozone, Hydrogen Peroxide	
measuring range	0.00 .. 4.00 mg/l Cl ₂	free Chlorine
	0.00 .. 4.00 mg/l ClO ₂	Chlorine Dioxide
	0.00 .. 4.00 mg/l O ₃	Ozone
	0.00 .. 30.00 mg/l H ₂ O ₂	Hydrogen Peroxide
input characteristics		
temperature measuring range	-30 .. +140°C	
flow monitoring	Flow monitor with integrated Pt 100	
conditions	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.	
mechanical construction		
material	board: PVC, assembly: PMMA, cocks: PP/PVC instruments: ABS, sensors: glass	
dimensions	700 x 395 mm	
sampling point	1/4" female thread with stop cock	
water coupling	inlet/ outlet: 1/2" female thread (with stop cock) tube connection DN 6/8	

order information

name	description	article number
Krypton K CL2	measuring system (230 V), Free Chlorine	70005200K
Krypton K CLO2	measuring system (230 V); Chlorine Dioxide	70005250K
Krypton K O3	measuring system (230 V), Ozone	70005400K
Krypton K H2O2	measuring system (230 V), Hydrogen Peroxide	70005450K

order information accessories

name	description	article number
AuAu-600-OO-2-1-PG	sensor for Free Chlorine, Chlorine Dioxide and Ozone	24135140K
Pt-55-W	Flow sensor with reed contact and integrated Pt100	24137030K
Set CHECKIT Comparator Cl ₂	Total and Free Chlorine 0 .. 4 mg/l	79500003K
Set CHECKIT Comparator ClO ₂	Chlorine Dioxide 0,01 .. 0,2 mg/l	79500004K
Set CHECKIT Comparator O ₃	Ozone 0 .. 1 mg/l	79500005K
EC-CIRC 15-700	Bypass/ circulation pump with brass housing	79500001K
PKV-30-DPS	Converter for PROFIBUS-DP for max. 32 Kuntze instruments	66416000K
S-341 data logger	bus data logger based on RS 485 with Kuntze protocol	42001000K
PIPL-600-OO-2-1-PG	sensor for measuring hydrogen peroxide	24135260K
POOLTESTER	colorimetric rapid test	79500002K

