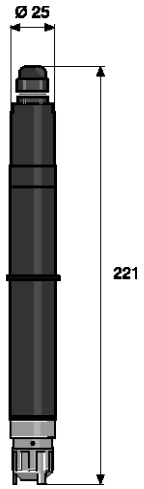
Sensor for Total Available Chlorine CGE 3-CAN-P

Sensor for total available chlorine, such as derivatives of chloro(iso)cyanuric acid when used in swimming pools. Also suitable for use as a sensor for free chlorine. For use on controllers with CAN-bus connection

Your benefits

- Measured variable: total available chlorine, for instance disinfectant with organic chlorine, such as derivatives of chloro(iso)cyanuric acid
- Measured variable: free chlorine without interference with the presence of cyanuric acid
- Gold electrode to prevent faults by products from electrolysis processes where the electrodes are immersed directly into the sample water (without diaphragm)
- Diaphragm-covered sensor (encapsulated) minimises faults caused by changing flow or substances in the water
- Hydrophilic diaphragm guarantees the permeability of chloro(iso)cyanuric acid derivatives towards the measuring electrodes
- The special reaction system of the electrolyte allows the total available chlorine to be determined and use at a high pH of up to 9.5
- Operation on the CAN-bus with all the associated benefits



pk_6_040

Measured variable	Total available chlorine: Total of organic combined chlorine (e.g. bound to cyanuric acid) and free chlorine
Reference method	DPD1
pH range	5.5 … 9.5
Temperature	5 … 45 °C
Max. pressure	3.0 bar
Intake flow	30…60 l/h (in the DGM or DLG III)
Supply voltage	Via CAN interface (11 – 30 V DC)
Output signal	Uncalibrated, temperature-compensated, electrically isolated
Selectivity	total available chlorine and free chlorine as against combined chlorine (chloramines)
Disinfection process	Disinfectants with organic chlorine, e.g. based on cyanuric acid, chlorine gas, hypochlorite, electrolysis
Installation	Bypass: open sample water outlet
Sensor fitting	DGM, DLG III
Measuring and control equipment	DULCOMARIN®
Typical applications	Swimming pool water, Disinfection process with chloro(iso)cyanuric acid derivatives and electrolysis
Resistance to	surfactants, cyanuric acid
Measuring principle, technology	Amperometric, 2 electrodes, membrane-covered

	Measuring range	Order no.
CGE 3-CAN-P-10 ppm	0.01…10.0 mg/l	1083211

A mounting kit, order no. 815079, is required for initial fitting of the chlorine sensors in the in-line probe housing DLG III.