

## **WATER CHLORINE SENSOR** **(202630)**

These membrane-covered amperometric sensors are used to measure the concentration of free chlorine. The following inorganic chlorination agents can be measured: chlorine gas ( $\text{Cl}_2$ ), electrolytically generated chlorine, sodium hypochlorite ( $\text{NaOCl}$ , chlorine bleaching solution), calcium hypochlorite ( $\text{Ca(OCl)}_2$ ), or chlorinated lime ( $\text{Ca(OCl)Cl}$ ).

The sensors are not suitable for detecting the absence of free chlorine. The sensors' integrated electronics provide a temperature-compensated current signal (4 to 20mA) for the variant with an analog output signal, and a Modbus RTU signal for the variant with a digital interface. A downstream device (indicator, controller, recorder, PLC, etc.) is used for calibration.

The sensors can be connected directly to various indicating devices/transmitters/controllers. They provide the voltage required for supplying the sensors and allow for easy calibration of the measuring system.



### **SPECIFICATION :**

- 2- and 3-electrode principle
- Easy calibration
- Integrated temperature compensation
- Proven measuring system
- Electrical connection analog or digital

## WATER CHLORINE SENSOR (CS5530D)

### SPECIFICATION :

- Principle : Potentiostatic
- Range : 0 - 2.000 mg/L, 0 - 20.00 mg/L
- Resolution : 0.001 mg/L, 0.01 mg/L
- Temperature range : 0 - 70 °C
- Pressure : 0 -6 bar
- Optimum Flow Rate : 25-100 L/h
- Shell material : Glass+POM
- Thread Cap : PG13.5
- Electrode dimensions :  $\varnothing 12 \times 120$ mm
- Cable length : 5m
- Connector : Terminals
- Output : RS485 Modbus RTU
- Power input : DC 12V
- IP rated : IP68



## LoRaWAN IO CONTROLLER

The LT series I/O Modules are Long Range LoRa I/O Controller. It contains different I/O Interfaces such as: analog current Input, analog voltage input, relay output, digital input and digital output etc. The LT I/O Modules are designed to simplify the installation of I/O monitoring. The LT I/O Controllers allows the user to send data and reach extremely long ranges. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimising current consumption.

### **SPECIFICATIONS :**

- STM32L072CZT6 MCU
- SX1276/78 LoRa Wireless Chip
- LoRaWAN Class A & Class C protocol
- Optional Customized LoRa Protocol
- Bands: CN470/EU433/KR920/US915
- EU868/AS923/AU915
- AT Commands to change parameters

