

Chlorine and Chlorine Dioxide Transmitter

CL 223

- Measures free chlorine and chlorine dioxide including pH or ORP
- 96x96mm panel mount enclosure takes up less space
- pH compensation for free chlorine

The CL 223 Chlorine and Chlorine Dioxide Transmitter, with the appropriate sensor, measures over the range of 0.01 to 5mg/l or 0.05 to 20mg/l. The basic transmitter has a 115 VAC power supply, linear isolated current output and one alarm.

Chlorine Sensor

CL 140

- Measuring Range CL 140: 0.05 to 20mg/l

The CL 140 Chlorine Sensor is an amperometric sensor having a gold cathode and silver/silver chloride anode with a rugged PTFE membrane. When the sensor is immersed in chlorinated water, chlorine diffuses through the PTFE membrane. Chlorine molecules are reduced at the gold cathode and silver oxidized to silver chloride at the anode. The resulting current is a direct measurement of the concentration of free chlorine in the process. CL 240 Chlorine Dioxide Sensor works by the same principles.

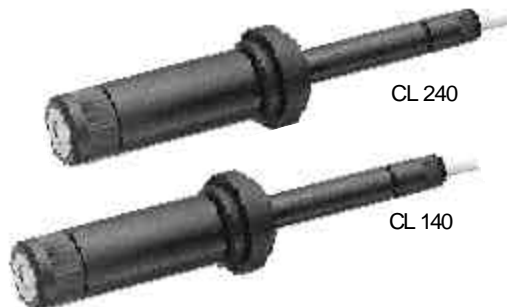
Chlorine Dioxide Sensor

CL 240

- Sodium chlorite/chlorine gas production of chlorine dioxide
- Measuring Range CL 240: 0.05 to 20mg/l



CL 223



CL 240

CL 140

Technical Characteristics – CL 223

Base Transmitter (EK)

Measurement, display and calibration of the process variable (PV) and temperature.

Isolated current output (Code 0)

Temperature output (Code 1)

One alarm (Code 05)

- On – Off
- Dedicated fault alarm (Standard)
- NAMUR fault current (Standard)

- 2.4 or 22.0 mA

Code 10

Two Alarm Contacts for PV and Temperature

- On – Off
- Timer for cleaning
- P(ID) Controller

Code 16

Four Alarm Contacts for PV and Temperature

- On – Off
- Timer for cleaning
- P(ID) Controller

Ordering Information

ITEM	DESCRIPTION
CL223EK	Chlorine and Chlorine Dioxide Transmitter
CL223-10	Transmitter with Code 10
CL223-16	Transmitter with Code 16
CL140	Chlorine Sensor
CL240	Chlorine Dioxide Sensor
NE009	NEMA 4x enclosure with mounting wiring
50028447	PVC Flow Assembly