

## Ozone/CLO2 Transmitter Model: MDCL100

### Applications

- Various water treatments
- (Bottle washing machine, CIP equipment, rinsing machine)

### Interfered factor

#### Ozone:

- Cl2: OZ7H: it will cause the measured value increasing 1.5%
- OZ7N: Negligible
- ClO2: OZ7N: it will cause the measured value increasing 6

### Description

- **Measurement** Ozone/CLO2
- **Range** 0.00~20.00ppm(mg/l) according to sensor type.
- **Resolution** 0.01ppm(mg/l)
- **Accuracy**  $\pm 0.5\% \pm 1 \text{ Digit}$
- **Storage Temp**  $-20 \sim 70^\circ\text{C}$
- **Digital filtering** 0~60/ Default...30
- **Calibration Method** 2 Points Calibration, Offset Calibration
- **Relay output** High and Low limit with Dead band setting  
240VAC/0.5A.
- **Current output** 0/4~20mA...2 sets programmable, Max. load 500 $\Omega$
- **Max. Pressure** 1.0 bar, without vibration
- **Flow Rate** approx. 30 l/h
- **pH** pH 2 – pH 12
- **Reaction time** T90: approx. 50 sec.
- **Working Temperature:**  $>5 - <50^\circ\text{C}$

### Measured Range

Sensore	Measuring Range(ppm)	Resolution (ppm)
OZ10.12	0.005~2.000	0.001
OZ10.120	0.05~20.00	0.01
CD10.12	0.005~2.000	0.001
CD10.120	0.05~20.00	0.01

#### Principle

Film coverage, Ampere dual electrode system

### Temp. compensation:

- Film coverage, Ampere dual electrode system automatically
- compensates through integrated temperature sensors





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