

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/CLO ₂
▪ Range	0.00~20.00ppm(mg/l) according to sensor type.
▪ Resolution	0.01ppm(mg/l)
▪ Accuracy	±0.5%±1Digit
▪ Storage Temp	-20~70°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 500Ω
▪ 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 °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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