

20 Chloride Ion Monitor

CL-502

Solid Membrane Type,
Chloride Electrode Method.



Standard type Detector



Immersion type Detector



Outline

This simple-type Chloride Ion Monitor can make just by immersing the detector into the water, successive and high-sensitivity measurement of underwater Chloride Ion density. This instrument can be applied widely for monitoring measurement of process water, drainage, etc. at the foodstuff industry or the chemical industry, as well as water quality measurement of the water courses. The detector is Inner solution non-supply type, and is designed with double-junction type of solution contacting system, in order to enable long-term stable measurement. During measurement, be careful of necessitating the minimum-limit of flow speed around the detector surface.

Features

- Reliable Chloride ion Electrode Method
By using silver solid film as Chloride Ion induces membrane, measurement of from low to high density with good linearity is possible. For better measurement, use it around neutral pH.
- With holding function, and capable of output holding at maintenance time
(by the non-voltage contact point input signal from outside)
- Correctable to operation control value with measured value shifting function
- With hysteresis setting function, and averaging function

Outer Dimensions Drawing

Frange Type Fixing Tool Model H	Standard Electrode (Liquid Non-Filling Type)	Standard Electrode + PP Holder
<p>Frange: JIS 5K 50A equivalency</p>	<p>MK-CLT</p>	

Specifications

Meter

Product Name	Chloride Ion Monitor
Display Method	LED red 3 · 1/2 digit
Measuring Range	0 ~ 1000mg/ℓ (optional : 0 ~ 1999mg/ℓ)
Measuring Method	Chloride Ion Electrode
Minimum Resolution	1mg/ℓ
Accuracy	Within ± 2% (FS)
Transmittal Output	DC 4 ~ 20mA (isolated type) Range 1 : 0 ~ 100mg/ℓ Range 2 : 0 ~ 500mg/ℓ Range 3 : 0 ~ 1000mg/ℓ
Alarm Point	High & Low limit each a contact (no-voltage) Contact point capacity : AC 200V 1A MAX Hysteresis setting enabled
Hold output	Transmission output and contact point output by input of no voltage contact point signal from outside at maintenance time
Measured value shift	Shift range : within ± 10mg/ℓ
Calibration	By Chloride Ion standard solution
Power Supply	AC 85 ~ 240V free input 50/60 Hz
Outer Dimension	96(W) × 96(H) × 163(H)mm
Std. component	Meter, Chloride Ion Electrode, PP holder (1m) Panel fixer, chloride ion standard solution, ISAB, calibration containers, beaker Instruction manual, guarantee card

Chloride Ion Electrode

Product name	Chloride Ion Electrode
Model	MK-CLT
Measuring object	Free Chloride Ion
Temperature	automatic temperature compensation
Measuring condition	pH : within 4 ~ 9 (Fixed as much as possible) Temperature : within 0 ~ 40°C
Material	PP, TPX, ceramics
Selectivity	S ²⁻ Coexistence is impossible. CN ⁻ , I ⁻ 10 ⁻⁵ Br ⁻ , S ₂ O ₃ ²⁻ 10 ⁻² NO ₃ ⁻ , SO ₄ ²⁻ , CO ₃ ²⁻ , PO ₄ ³⁻ , F ⁻ 10 ³
Cable length	5m Standard
Holder length	PP-1 1.0m Standard