

# ION CONCENTRATION METER

## CIC SERIES

pH(pX),mg/L,ppm,mv,°C

**CONTECH**<sup>®</sup> Laboratory Ion Concentration Meters when used with particular Ion selective electrode and corresponding reference electrode can measure the correspondent electrode potential mV value, pX value and Ion concentration. These instruments are useful in the field of Food Safety, Petrochemical, Water quality checking, Aqua Culture, Biological Agriculture, Environmental Protection and Research and Education.

### Features

- ◆ Concentration unit mv & temperature measurement.
- ◆ 2 point Ion concentration standard solution calibration.
- ◆ Automatic or Manual temperature Compensation
- ◆ Bi directional RS232 interface. Baud rate selectable from 1200,2400,4800 and 9600.
- ◆ Single and continuous print out of readings.
- ◆ Multiple Printout types. Combinations selectable from Sr. No., concentration unit, mV and temperature.
- ◆ Real Time Clock. Calibration report as per GLP requirements.
- ◆ LCD display with Backlight.
- ◆ Memory storage of 100 measurements.
- ◆ Data logging facility up to 500 results. Data logging interval selectable from 5S, 10S, 20S, 30S, 1M, 2M and 5M.
- ◆ Temperature calibration with respect to solution of known temperature.



Model	CICNa	CICCa	CICF
Measurement parameters	Na+ concentration, mV, Temp	Ca2+ concentration, mV, Temp	F- concentration, mV, Temp
Measuring Units	pNa, mg/L, ppm	pCa, mg/L, ppm	pF, mg/L, ppm
Measuring Range	0.00~9.00 pNa	0.00~9.00 pCa	0.00~9.00 pF
mV Range	+1999.9mV	+1999.9mV	+1999.9mV
Temperature Range	-10~ 110°C	-10~ 110°C	-10~ 110°C
Measurement Accuracy	±0.01pNa	±0.01pCa	±0.01pF
mV Accuracy	±0.1% FS	±0.1% FS	±0.1% FS
Temperature Accuracy	±0.5°C	±0.5°C	±0.5°C
ATC Range	0~50°C	0~50°C	0~50°C
Electrodes	EINaG01(Sodium Ion Electrode), ERG02(Reference Electrode), ETS01(Temperature Electrode)	EICaP01(Calcium combination Electrode), ETS01(Temperature Electrode)	EIFC01(Fluoride Ion Electrode), ERG01 (Reference electrode) ETS01(Temperature Electrode)
Standard Accessories	MS-01(Magnetic Stirrer)	MS-01(Magnetic Stirrer)	MS-01(Magnetic Stirrer)

Power : 9V/ 500 mA External adaptor orbattery backup unit. (Optional)  
 Operating Temperature : 15~45°C

Meter Dimensions (mm) : 165 (L) x 190 (D) x 60 (H)  
 Meter Weight : 700 g