

Zensor Simulator

R&D

AC Impedance ACIP 100



Replaceable & Editable Chip



5.0 Color Touch Panel



Simulation of Chemical Sensor for Off-line Use



EIS-AC Impedance



Replaceable & Editable Chip



4

It only takes 4 steps to complete process editing.
(Procedure / Data analysis / Concentration transfer / Action to burn in)

E

Every ECA methods can be interchangably edited.
(CV / IT / EIS-AC Impedance)

S

It can accomodate sample condition for interchangeable editing.
(Waiting for sample / Waiting for second / Waiting for trigger button)

Specification

| | ACIP 100 |
|-------------------------|--|
| Main Function | (A) ECA (ElectroChemical Analyzer) with On-line (B) ECAS (ElectroChemical Analytical Simulator) with Off-line |
| Characteristic | (A) ECA/ECAS mode change (B) ECAS for application in real sample testing with off-line (C) Flexible edit program for operation of ECAS with off-line (D) 5.0 color touch panel for display the result of ECAS with off-line |
| Electrochemical Methods | (A) Cyclic Voltammetry (CV) (B) Amperometry (IT) (C) AC Impedance (ACIP) (D) Impedance-Time (IMPT) (E) Impedance-Potential (IMPE) |
| Range | (A) Voltage range: +2 ~ -2 (V) (B) Current range: 10 ⁻² ~ 10 ⁻⁹ (A) (C) Data records number in ECAS mode: 100 data records (D) ACIP Frequency: 10mHz-1KHz |
| Operation system | Window XP above |
| Power input | 5V, 1600mA |
| Sensor connector color | (A) Green color -Working electrode (WE) (B) Red color- Counter electrode (CE) (C) White color - Reference electrode (RE) |
| Size of machine | 193(L) x 112(W) x 43(H) mm |

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