

ECAS100 Specification

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) Linear Scan Voltammetry (LSV) (C) Square Wave Voltammetry (SWV) (D) Differential Pulse Voltammetry (DPV) (E) Amperometry (IT) (F) Open Circuit Potential - Time (OCP)
Range	(A) Voltage range: +2 ~ -2 (V) (B) Current range: $10^{-3} \sim 10^{-9}$ (A) (C) Data records number in ECAS mode: 100 data records
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 430(H) mm



Zensor Research & Development Corporation

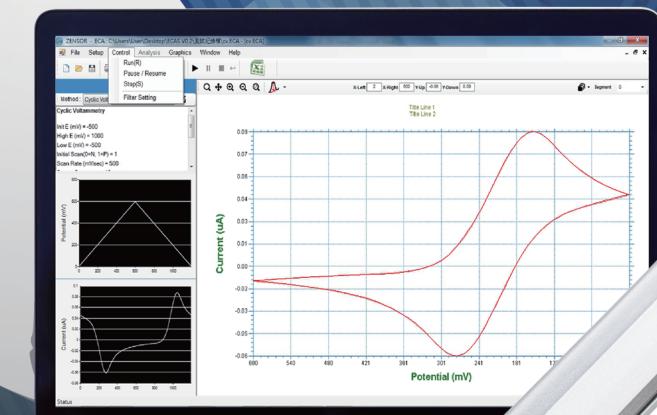
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ZensorSimulator

R&D
Electrochemical Analyzer-Simulator

ECAS100



Replaceable & Editable Chip



5.0 Color Touch Panel



Simulation of Chemical Sensor for Off-line Use



Electrochemical Analyzer



Replaceable & Editable Chip

- 4** It only takes 4 steps to complete process editing.
(**P**rocedure / **D**ata analysis / **C**oncentration transfer / **A**ction to burn-in)
- E** Every ECA methods can be interchangably edited.
(CV / LSV / SWV / DPV / IT / OCP)
- S** It can accomodate sample condition for interchangeable editing.
(Waiting for sample / Waiting for second / Waiting for trigger button)



Simulation of Chemical Sensor for Off-line Use



Electrochemical Analyzer. (ECA)

The Oscillographic Illustration in Potential and Current with Real Time during ECA Operation

- CV (Cyclic Voltammetry)
- LSV (Linear Scan Voltammetry)
- SWV (Square-Wave Voltammetry)
- DPV (Differential Pulse Voltammetry)
- IT (Amperometry)
- OCP Open-Circuit Potential

