

ECAS100 Specification

Main Function	(A) ECA (ElectroChemical Analyzer) with On-line (B) ECAS (ElectroChemical Analytical Simulator) with On-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	Windows 10 or 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 R&D Simulator

Simulator of Chemical Sensor ECAS100



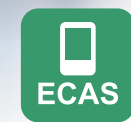
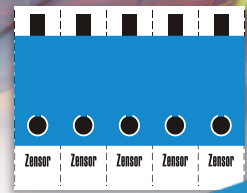
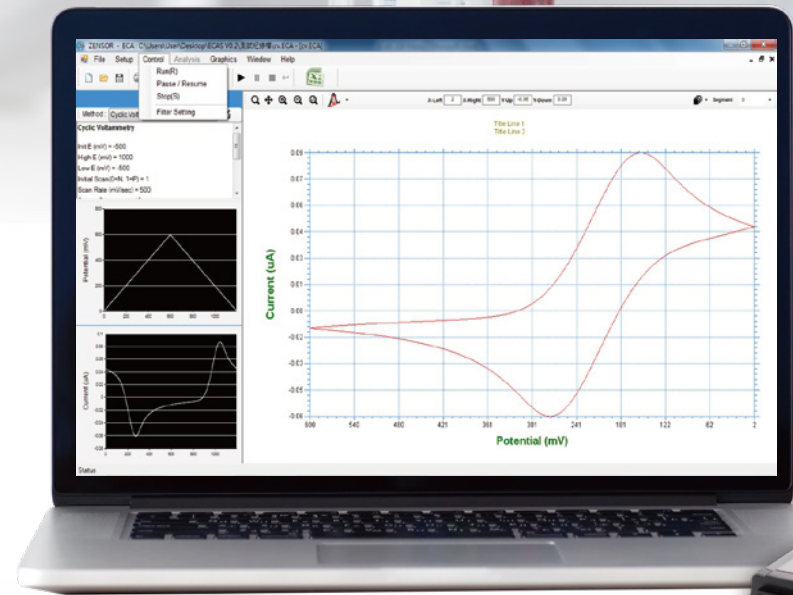
 Replaceable & Editable Chip

 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 interchangeably 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)

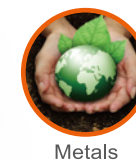


Simulation of Chemical Sensor for Off-line Use



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)



Drug

DNA

Metals

Cosmetics

Biosensor

Food