

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} ~ 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
www.zensor.com.tw



Zensor Simulator

电化学工作站-模拟器(创业版) ECAS100



可置换晶片 自由编辑程序
Replaceable & Editable Chip



5.0吋彩色触控萤幕
5.0 Color Touch Panel



实拟生化传感器 离线独立使用
Simulation of Chemical Sensor for Off-line Use



电化学工作站
Electrochemical Analyzer



电化学工作站

Electrochemical Analyzer. (ECA)



ECA模式下电压与电流以示波器形式即时同步显示
(The Oscillographic Illustration in Potential and Current with Real Time during ECA Operation)



CV (Cyclic Voltammetry)



LSV (Linear Scan Voltammetry)



SWV (Square-Wave Voltammetry)



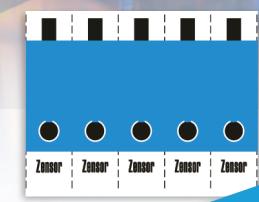
DPV (Differential Pulse Voltammetry)



IT (Amperometry)



OCP (Open-Circuit Potential)



可置换晶片 自由编辑程序

Replaceable & Editable Chip

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只要4个步骤完成程序编辑

(Procedure / Data analysis / Concentration transfer / Action to burn-in)

E

各种ECA方法可交互编辑使用

(CV / LSV / SWV / DPV / IT)

S

可搭配样品进样状况交互编辑使用

(Waiting for sample / Waiting for second / Waiting for trigger button)



实拟生化传感器 离线独立使用

Simulation of Chemical Sensor for Off-line Use



Drug



DNA



Metals



Cosmetics



Biosensor



Food

