

ZensorSimulator

電化學分析儀-模擬器 ECAS100



可置換晶片 自由編輯程序
Replaceable & Editable Chip



5.0吋彩色觸控螢幕
5.0 Color Touch Panel



模擬生化感測器 離線獨立使用
Simulation of Chemical Sensor for Off-line Use



電化學分析儀功能
Electrochemical Analyzer



電化學分析儀

Electrochemical Analyzer. (ECA)



ECA模式下電壓與電流以示波器形式即時同步顯示
(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)



可置換晶片 自由編輯程序

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- 4** 只要 4 個步驟完成程序編輯
(**P**rocedure / **D**ata analysis / **C**oncentration transfer / **A**ction to burn-in)
- E** 各種ECA方法可交互編輯使用
(CV / LSV / SWV / DPV / IT)
- S** 可搭配樣品進樣狀況交互編輯使用
(Waiting for sample / Waiting for second / Waiting for trigger button)

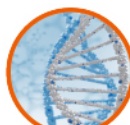


實擬生化感測器 離線獨立使用

Simulation of Chemical Sensor for Off-line Use



Drug



DNA



Metals



Cosmetics



Biosensor



Food



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: $10^{-2} \sim 10^{-9}$ (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 43(H) mm

