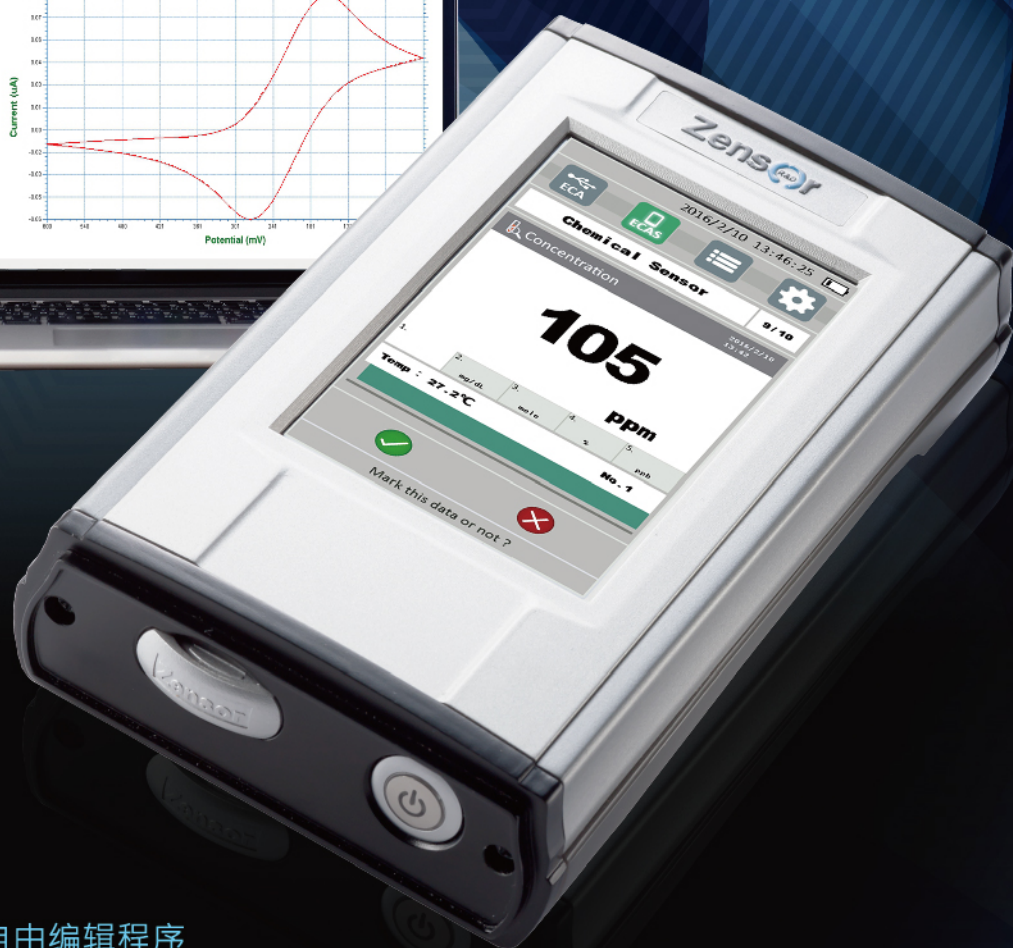
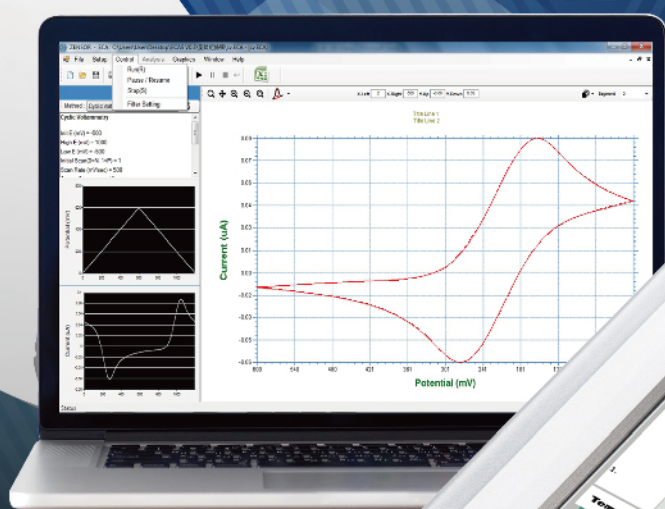


# ZensorSimulator

化学感测器实拟分析仪 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



电化学分析仪功能  
Electrochemical Analyzer





## 电化学分析仪

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)

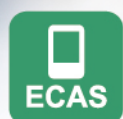


IT (Amperometry)



OCP (Open-Circuit Potential)





## 可置换晶片 自由编辑程序

Replaceable & Editable Chip

4

只要4个步骤完成程序编辑

(**P**rocedure / **D**ata analysis / **C**oncentration transfer / **A**ction 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)

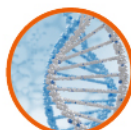


## 实拟生化传感器 离线独立使用

Simulation of Chemical Sensor for Off-line Use



Drug



DNA



Metals



Cosmetics



Biosensor



Food



## 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



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