

BIOGENES TECHNOLOGIES

designs & supplies biosensors products and services for R&D and commercial use in healthcare, animal breeding, agriculture, aquaculture as well as food safety & environmental testing.

Scan here to submit inquiry



APTSENS Portable Potentiostat Gen1

Integrated with touchscreen control
 Power : 5V Li-ion rechargeable via USB cable (incl.)
 Scan type : CV, LSV, DPV, SWV, Chronoamperometry
 Scan setting : Full control by users
 Potential scan range : -700mV to +700mV
 Potential resolution : ± 1 mV
 Current measurement range : 0.5 – 1,000uA
 Size : 18cmL x 9cmW x 4cmH
 Weight : 600g
 Protection : Splash Proof



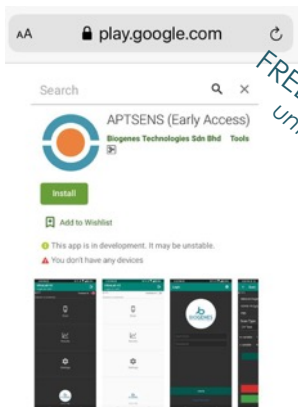
APTSENS Portable Potentiostat Gen2

Bluetooth integration your own mobile phone app (see below)
 Power : 5V Li-ion rechargeable via USB cable (included)
 Scan type : CV, LSV, DPV, SWV, Chronoamperometry
 Scan setting : Full control by users
 Potential scan range : -700mV to +700mV
 Potential resolution : ± 1 mV
 Current measurement range : 0.5 – 1,000uA
 Size : 11cmL x 6cmW x 2.5cmH
 Weight : 100g
 Protection : Splash Proof



APTSENS Mobile App

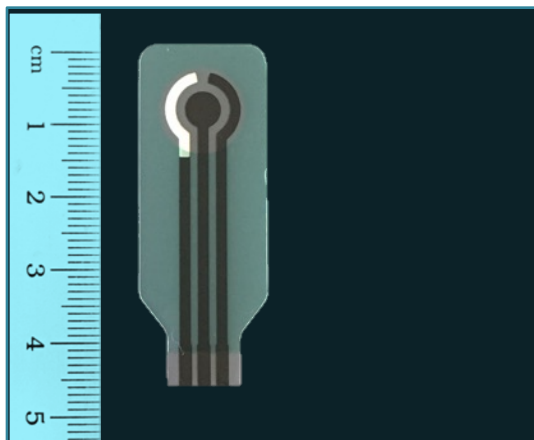
Enable your mobile phone to interface with APTSENS Portable Potentiostat Gen2
 Communication interface : Bluetooth 3.0
 Operating System:
 - Android (available on Google Play Store, search for 'APTSENS')
 - Apple iOS (under development)
 - Huawei HarmonyOS (under development)



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APTSENS Screen-Printed Sensor

For high volume (mL range) dip samples e.g. water

Order Code : SPE-RL3-Φ5-P

Quantity : 200pcs per pack

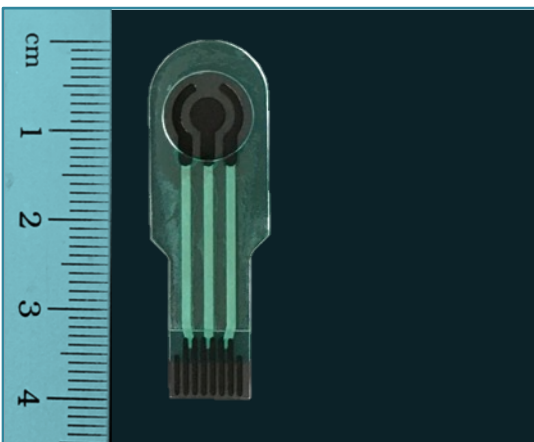
Three-electrode system:

- Working electrode / Carbon / 5mm diameter
- Reference electrode / Carbon
- Counter electrode / Carbon

Substrate material : PET 0.35mmthk

Max. input potential : 1.0V

Peak current with potassium ferrocyanide 5mM ~ 80μA



APTSENS Screen-Printed Sensor with Well

For low volume (μL range) drop samples e.g. serum, blood

Order Code : SPE-RL3-Φ4-W

Quantity : 200pcs per pack

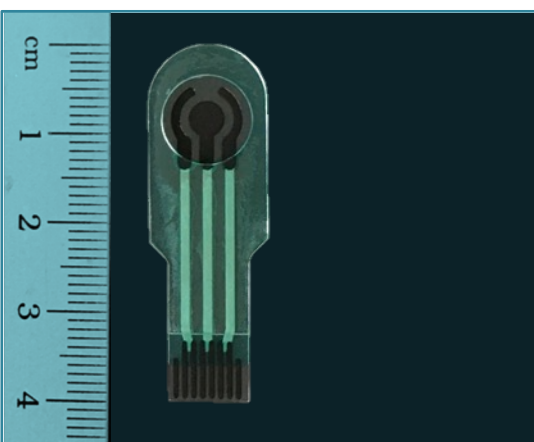
Three-electrode system:

- Working electrode / Carbon / 5mm diameter
- Reference electrode / Carbon
- Counter electrode / Carbon

Substrate material : PET 0.35mmthk

Max. input potential : 1.0V

Peak current with potassium ferrocyanide 5mM ~ 40μA



APTSENS Screen-Printed Sensor – CNT Functionalised

Functionalisation : Auto-deposition using BioDot Dispenser

Order Code : SPE-RL3-Φ4-W-CNT

Quantity : 200pcs per pack

Three-electrode system:

- Working electrode / Chitosan-MWCNT / 5mm diameter
- Reference electrode / Carbon
- Counter electrode / Carbon

Substrate material : PET 0.35mmthk

Max. input potential : 1.0V

Peak current with potassium ferrocyanide 5mM ~ 400μA