

SCREEN-PRINTED GOLD NANOPARTICLES ELECTRODE



Introducing our cutting-edge **SCREEN-PRINTED GOLD NANOPARTICLES ELECTRODE**, a revolutionary innovation in electrochemical sensing technology. This advanced electrode is meticulously crafted with precision and expertise, offering unparalleled performance in solution-based applications.

Technical Specifications	
Substrate Material	Ceramic
Substrate Size	3.4 × 1.0 × 0.05 cm
Auxiliary Electrode Material	Carbon
Reference Electrode Material	Silver / Silver Chloride
Working Electrode Material	Gold Nanoparticles
Working electrode diameter (mm)	4
Working electrode effective surface area (cm ²)	±0.42

The key feature of this electrode lies in its utilization of gold nanoparticles, meticulously screen-printed onto the substrate. This intricate process ensures a uniform and highly sensitive surface, providing exceptional electrochemical performance.

The gold nanoparticles, ranging in size from **354 to 384 nm**, are known for their **excellent conductivity and stability**, creating an ideal platform for a wide range of solution-based applications.

