




# TARA


## INTERNATIONAL


TOUCHING THE GLOBAL EDGE


Simple Analysis for Complex Solution


# Electrochemical Trace Metal Analyzer

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# Electrochemical Trace Metal Analyzer

**Steroglass Ionix** is a high-sensitivity analysis unit

able to detect metal traces in different simple or complex matrices. High speed to measure the potential variations, with their subsequent processing, allows reaching a high detectability level (often below ppb).

## Remarkable Features:

- High Sensitivity (sensitivity lower than ppb)
- Quick Analysis
- User friendly
- Competitive price
- Wide range of application
- Analytical support
- Small size
- Complementary to techniques



## Ionix Detectable Heavy Metals & Other Organic Compounds:

- Aluminum
- Antimony
- Arsenic
- Bismuth
- Cadmium
- Cobalt
- Chromium
- Iron
- Gallium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Lead
- Copper
- Selenium
- Tin
- Thallium
- Titanium
- Uranium
- Vanadium
- Zinc

## Application Fields:

### **Environment**



- ✓ Tap water, Waste water, Sea water
- ✓ Water/Compost
- ✓ Air
- ✓ Soils

### **Beverages**



- ✓ Wine
- ✓ Beer
- ✓ Vinegar
- ✓ Distillates
- ✓ Spirits
- ✓ Other beverages

### **Food**



- ✓ Milk and Dairy products
- ✓ Vegetable preserves
- ✓ Tin container
- ✓ Oils and Fats
- ✓ Sugars and Sweets
- ✓ Fish
- ✓ Feed and Forage

### **Other Applications**



- ✓ Cosmetics and Pharmaceutical products
- ✓ Chemical products
- ✓ Petrochemistry
- ✓ Urine and Blood
- ✓ Galvanic Industry

## Updated Techniques:

- ✓ **PSA** (Potentiometric Stripping Analysis)
- ✓ **CCSA** (Constant Current Stripping Analysis)
- ✓ **DPS** (Differential Pulse)
- ✓ **SWS** (Square Wave)
- ✓ **CYU** (Cyclic Voltammetry)

## Advantages:

- ✓ Very small metal traces can be accurately and repeatedly detected and quantified.
- ✓ Analysis can be run ORIGINAL samples
- ✓ Do not required any chemical or physical pre-treatment
- ✓ Non destructive analysis
- ✓ Suitable for routine analysis
- ✓ No need of skilled operator

## IONIX Accessories and Spares:

- Reference Ag/AgCl electrode
- Glassy graphite electrode
- Replacement tip for graphite electrode
- Platinum electrode
- Stirrer (without borosilicate glass rod)
- Borosilicate glass rod
- Glass cell for samples
- Plastic disposable cell for samples 200pz

## General Specification:


- Power supply: 115-230 Vac +/- 10%  
50/60 Hz 35 VA
- Dimensions: 200 × 230 × 350 mm
- Weight: 8.5 kg
- Processor: Pentium III
- System Memory: 1 Gb RAM
- Resolution: 16 bit
- Output Voltage: 12 V
- Input Voltage range: 10 V
- Current range: +/- 2 mA fino a +/- 2 uA





## Wave Software Features:

- Easy Parameter setup
- Automatic electrode setup by potential rate
- Electrode control by cyclic Voltammetry
- User friendly



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