

TraceDetect Explorer Trace Metals Analysis System



The TraceDetect Explorer Benchtop and Explorer Portable can perform:

- Anodic Stripping Voltammetry (ASV)
- Cathodic Stripping Voltammetry (CSV)
- Cyclic Voltammetry (CV)
- Amperometry (chrono-amperometric measurements)

When using our Nano-Band electrodes and ASV:

- detects Cu, Zn, Cd, Pb, to 100ppt
- detects As and Hg to 1ppb
- can be used to detect thallium, bismuth, indium, gallium, silver and other metals directly
- can be used to detect chromium, manganese, iron, cobalt, nickel and other metals via Adsorptive CSV
- has sensitivity/accuracy equal to, or better than, ICP and AA
- detects metals at these trace levels in <2 minutes

The Explorer Benchtop system:

- supports two pH (or ORP or ISE) electrodes
- measures sample temperature 0C - 100C
- is compact: 8.06"×10.00"×2.67"
- weighs: 3.5 lbs.

The Explorer Portable system:

- supports one pH (or ORP or ISE) electrode
- measures sample temperature 0C - 100C
- is a little larger than a deck of cards: 2.75"×5.75"×1.25"
- weighs: 9.5 oz.
- operates via USB connection