



# Metalysers HM3000

The Metalysers Field-Pro is the pinnacle of heavy metal field testing. Key components, reagents and accessories have been thoughtfully selected and fitted into the two rugged cases, giving you the confidence of taking a portable laboratory with you into the field or for setting up in temporary and or permanent locations.

The Metalysers Field-Pro comes programmed to tackle up to 15 parameters and features a user-friendly tablet-PC with Trace2's bespoke Metaware software, to help with data visualisation and offers an alternative way to operate the device.

## Key Features

### Integrated Tablet PC with Custom Software:

Testing process can be operated by Metaware software via tablet PC.

**Expanded Testing Parameters:** The Metalysers Field Pro offers the most extensive range of heavy metals to test.

**Fast and Precise Results:** Results can be generated and presented via the Metaware software on the PC tablet.

**User Friendly Interface:** The tablet PC offers a modern, intuitive interface helping to simplify test procedures and data management.

**Portable Design:** All hardware, reagents and accessories are neatly presented in two IP67 rated rugged carry cases.

**Glassy Carbon Electrode (GCE):** High conductivity, ultra-smooth surface and chemical inertness enhance the GCE's sensitivity.



## Device Parameters

**Heavy Metals (15) :** Cadmium (Cd), Lead (Pb), Arsenic (As III), Arsenic (As III+V), Copper (Cu), Mercury (Hg), Manganese (Mn), Zinc (Zn), Cobalt (Co), Bismuth (Bi), Nickel (Ni), Selenium (Se), Thallium (Tl), Tin (Sn), Gold (Au)

Please contact our sales team to find out more regarding additional parameter testing.  
[sales@trace2o.com](mailto:sales@trace2o.com)



## Technical Specification

Analytical Principle	Anodic Stripping Voltammetry (ASV)
Electrode Surface Material	Glassy Carbon Eletcrode
Battery	3.3V Li-ion 2200mAh rechargeable
Power Supply	4.5 – 5V DC, 700mA.
Operating Temperature	-20°C to 70°C
Displays	Metalyser Device: 128 x 128 pixel monochrome backlit LCD
Connections	USB-C 3.1 (data, DisplayPort and charging) MicroSDXC card reader

## Limits of Detection(LOD)

Parameter	Lower LOD (ppb)	WHO Value (ppb)
Arsenic (III)	5	<10
Arsenic (III+V)	10	<10
Bismuth	10	n/a
Cadmium	3	<3
Cobalt	20	n/a
Copper	5	<2000
Gold	10	n/a
Lead	5	<10
Manganese	5	<100
Mercury	5	<6
Nickel	10	<70
Selenium	5	<40
Thallium	1	n/a
Tin	10	n/a
Zinc	5	<4000

## Kit Hardware

- HM3000 Metalyser Handheld Unit
- Metalyser Sonde
- Sonde Extension Cable
- Working Electrodes
- Reference & Counter Electrodes
- Electrode Polishing Kit
- Windows PC Tablet
- Pipettors
- Analysis Beakers
- Accessory Boxes

Please see Manual for a full component list

Product	Code
Metalyser Field Pro	HM3000



## Additional Information



← Link to ASMS app via  
Google Play Store

Or visit [asmsonline.net](http://asmsonline.net)

- Compatible with the AquaSafe Management Software package (ASMS).
- ASMS is a Cloud based data presentation and storage tool, with companion mobile app.
- The wealth of results can be visualised, analysed and managed to give full traceability and ensure regulatory compliance.



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