



土壤重金屬分析儀  
better analysis counts

## HD Rocksand™ Analyzer

**Lightweight and highly portable, HD Rocksand™ delivers ultra low-level heavy metal detection in soil**

HD Rocksand uses the same HDXRF® technology that has come to be trusted by regulators and industry experts in fields that require:

- Best-in-class levels of detection
- Fast results for critical decisions
- Testing the most challenging sample types



### Application:

- Environmental Risk Assessments of Soil
- Remediation Validation
- Industrial Site Characterization

### Features:

- Patented HDXRF analysis technology
- Hands-free testing mode
- Lightweight, easy-to-carry portable test stand
- Snap-in sample rotator
- Handheld measurement capability

### Benefits:

- Best-in-class detection limits
- Results at the push of a button
- Traverse large brownfield sites with ease
- Outstanding measurement repeatability and reproducibility
- Easily measure large samples

**Powered by**

**HDXRF**



**Brownfield sites are often large.** Moving around a site while holding an analyzer for measurements all day can be difficult. XOS designed the HD Rocksand to be portable. Weighing less than 6 kg, the design integrates a comfortable handle and a hands-free, push-button measurement mode to enable easy movement around a brownfield site.

### Detection Limits

| LOD in ppm         | Hg  | Cd  | As  | Cr   | Pb  | Sb   | Cu  | Ni   | Se  | Ag   | Zn  | Ba   | Tl  |
|--------------------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| Screening Mode     | 2.0 | 5.0 | 1.5 | 15.0 | 1.8 | 16.0 | 5.0 | 12.0 | 1.5 | 20.0 | 3.0 | 15.0 | 1.8 |
| Qualification Mode | 0.5 | 0.8 | 0.5 | 5.0  | 0.5 | 5.0  | 1.5 | 3.0  | 0.4 | 5.0  | 1.0 | 10.0 | 0.5 |

### Product Specifications

|                             |                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------|
| Total Weight                | <6.0 kg (13.2 lbs)                                                                                  |
| X-Tay Tube voltage, current | 25-50kV, 200 $\mu$ A                                                                                |
| Optic                       | 3 Doubly Curved Crystal Optics                                                                      |
| Detector                    | 25 mm <sup>2</sup> FAST SDD                                                                         |
| System Electronics          | 512 MB Dual Core Processor                                                                          |
| Battery                     | Li-ion, ~8hr run time normal operation (2 included)                                                 |
| Display                     | 10.9 cm WVGA (800RGBx480) TFT with touch screen, 16.7M colors, 217 dpi for viewing in full sunlight |
| Elemental Range             | 14 elements displayed on results screen, up to maximum of 40 elements on secondary screen           |
| Licensing / Registration    | Varies by region, contact your local distributor                                                    |
| Compliance                  | CE                                                                                                  |

### Portable Test Stand Specs

|                           |                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------|
| Test Stand Dimensions     | 25.4 x 21.8 x 37.8 cm                                                                  |
| Sample Chamber Dimensions | 22.1 x 16.3 x 5.1 cm                                                                   |
| Power Requirements        | Operates on shared analyzer battery power or plugin to 90-264VAC, 47 ~ 63Hz, 3A @ 115V |

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