

Analyser

- Handheld EDXRF analyser
- Oxford Instruments' 25mm², high resolution silicon-drift detector (SDD)
- BOOST™ technology for up to 10 times the sensitivity of other HHXRFs
- Rh target X-ray tube (4W; 50kV max., 200µA max.)
- Automatic 6-position filter changer
- Measurement spot size: 10.7mm x 9.4mm
- Operating temperature: -10 °C to +50 °C.

Screen and operating system

- 4.3" Blanview touch screen
- Display resolution: 480 (H) x 800 (V) dots
- 16 GB internal memory
- Capable of holding 100,000 results with spectra and images (if camera fitted)
- Bluetooth, WiFi and USB data transfer
- Graphical user interface available in 13 languages: Chinese traditional and simplified, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Spanish and Russian.

Calibrations:

- Factory-loaded robust fundamental parameters (FP) for various applications including soil, mining and metal alloys
- Customer specific calibrations with optional calibration software

Analytical range:

- From Mg to U, up to 40 elements depending on application (Note: other elements may be added depending on application)

Batteries:

- Rechargeable, removable, located inside handle
- 6.2Ah Li-ion batteries (Quantity: 2)
- Up to 10-12 hours battery life
- 110/230V 50/60 Hz battery charger



Storage and transportation:

- Waterproof carrying and storage case (TüV tested) for X-MET and accessories
- Case dimensions: 415 mm (L) x 325mm (W) x 170mm (H)
- Lanyard
- Wrist strap
- Optional holster and belt

Standard accessories:

- SS316 check sample
- Soil and mining CRMs (depending on package), blank check sample
- Battery charger, with UK, US, Euro and Australia plug adapters (charging time: ~8 hours)
- Two Li-ion batteries
- USB cable
- USB Memory stick containing the User Manual and the Safety Manual (available in 13 languages)
- Light radiation shield
- Background plate
- WiFi and Bluetooth connectivity

Optional accessories:

- Light travel stand with safety shield (included in Mining package)
- Benchtop stand (weight: 9.5kg; internal chamber size: 188mm L x 188mm W x 146mm H)
- Bluetooth barcode scanner
- Bluetooth printer
- X-MET pole
- Bipod

Radiation safety:

- Password protection
- Infrared proximity sensor
- Count rate sensor
- Fail-safe warning lights

Analyser's connectivity ports:

- USB 2.0
- Bluetooth 2.0 (EDR)
- Wifi 802.11b/g

PC software (standard):

- Spectrum Display – enables to select analysis condition, collect, view and compare samples spectra
- Report Generator - enables the creation of customised reports
- Calibration software – enables the user to create a customised empirical calibration using customer's standards for unique applications

Integrated camera (included):

- For accurate positioning of the analyser on the sample
- Images can be saved, viewed on the X-MET display, and added to reports
- Magnification: x 6
- Image size: 640 pixels x 480 pixels
- Image area on sample: approx 7.5mm x 6mm
- Camera technology: CMOS

Optional small-spot collimator:

- Not available in the Soil package
- For accurate measurement of small features such as mineral veins, enabling to isolate the area of interest from surrounding material
- 3mm-diameter analysis spot
- Enable/disable small spot in UI

Optional integrated GPS receiver:

- Collects and saves location coordinates along with analysis results
- Accuracy position : 3.0 m CEP with zero interference
- Included in the Mining package

Reliability:

- CE and CB approved
- IP54 compliant (NEMA 3 equivalent): splash water and dust proof
- Tested to MIL-STD-810G for vibration, drop and shock (Method 514.6, Procedure I, Category 4; Method 516.6, Procedures I and IV)
- Registered product: 2 year factory warranty; excludes consumables; 90-day warranty on batteries

Dimensions:

- 93 mm (W) x 210 mm (L) x 272 mm (H)

Weight:

- 1.3 kg without battery
- 1.5 kg with battery

Note: In the interests of continued product improvement, Oxford Instruments reserves the right to change any part of the description and specification without notice.