

Analyser

- Handheld EDXRF analyser
- Oxford Instruments' large area, high resolution Silicon Drift (SDD) detector
- Rh target X-ray tube (4W; 50kV max., 200µA max.)
- Automatic 5-position filter changer
- Measurement spot size: 10.7 x 9.4 mm²
- 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) and empirical calibrations (traceable to certified reference materials) available for various applications including metals, Flow Accelerated Corrosion (FAC), and precious metals in car catalysts
- Customer specific calibrations with optional calibration software

Analytical range:

- From Mg to U, up to 35 elements 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

Radiation safety:

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



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

Standard accessories:

- SS316 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)

Optional accessories:

- Light travel stand with safety shield
- Light radiation shield
- Background plate

Analyser's connectivity ports:

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



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PC software (standard):

- Spectrum Display – enables to select analysis condition, collect, view and compare samples spectra
- Report Generator - enables the creation of customised reports

Optional PC software functionality:

- Calibration software – enables the user to create a customised empirical calibration using customer's standards for unique applications

Optional camera:

- Integrated camera
- 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 GPS receiver:

- Integrated GPS receiver
- Collects and saves location coordinates along with analysis results
- Accuracy position : 3.0 m CEP

Reliability:

- CE and CB approved
- IP54 compliant (NEMA 3 equivalent): splash water and dust proof
- Registered product: 2 year factory warranty; excludes consumables; 90-day warranty on batteries.

Hot sample measurement:

- Maximum sample temperature: 120°C (248°F)
- At that temperature, do not use analysis times greater than 10 seconds, and do allow the analyser to cool down for 1-2 minutes between analyses.

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.



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