

## Analyser

- Handheld EDXRF analyser
- Oxford Instruments' Silicon Drift (SDD) high resolution detector
- 45 kV Rh target X-ray tube (max 50µA)
- Automatic 5-position filter changer
- Measurement spot size 9 mm
- Operating temperature: -10 °C to +50 °C.

## Screen and operating system

- 4.3" Blanview anti-glare touch screen
- 16 GB internal memory
- Capable of holding 100,000 results and spectra
- Data transfer via USB and Wi-Fi
- Bluetooth connection for wireless accessories including GPS receivers, portable printer and barcode scanner
- Graphical user interface available in the following languages: English, Chinese traditional and simplified, Korean, Japanese, German, French, Polish, Italian, Spanish, Portuguese, Russian and Finnish.

## Calibrations:

- Fundamental parameter (FP) and empirical factory calibrations available for various applications including metals, plastics, soil, solders, mining, precious metals, Pb in paint etc.
- Customer specific calibrations with optional calibration software.

## Analytical range:

- From Mg to U, up to 35 elements depending on calibration.

## Batteries:

- Rechargeable, removable, located inside handle
- Li-Ion batteries (Quantity: 2)
- Typical duty cycle: > 8 hours of operation per battery.
- 110/230V 50/60 Hz battery charger, including AC adaptor.

## Radiation Safety:

- Password protection
- IR proximity sensor
- Count rate sensor
- Four fail-safe warning lights



## Carrying and Transportation:

- Waterproof carrying case
- Lanyard

## Standard Accessories:

- Check samples (depending on calibrations)
- Full user manual (English only)
- Safe, accurate X-Ray measurements with X-MET7000 Series booklet (13 languages available)
- How to use X-MET7000 Series booklet (13 languages available)
- Battery charger, country specific plugs included
- Two Li-ion batteries
- Usb cable
- USB Memory stick
- Mini-USB cable
- Lanyard

## Optional Accessories:

- Benchtop stand with closed sample chamber, two fail to safe interlocks and "X-rays ON" light
- Light travel stand with safety shield
- Light radiation shield
- Holster for hands-free transportation
- Barcode scanner for sample name input
- Portable Bluetooth printer
- GPS receiver
- Weld beam adapter



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## Optional PC Software:

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

## Reliability:

- CE and cCSAus approved
- IP54 compliant (NEMA 3 equivalent): Splash and dust proof with separate rain cover
- 1 year Instrument warranty (excludes consumables). Extended warranty optional.

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

## Dimensions:

- 9 cm(W) x 30 cm(L) x 27 cm(H)

## Weight:

- Less than 1.8 kg with battery

