TECHNICAL SPECIFICATIONS

HITACHI
Inspire the Next

LAB-X5000

Analyser:

- Benchtop EDXRF analyser.
- High resolution Silicon Drift Detector (SDD).
- Element range Mg (12) – U (92).
- Ti or Pd target X-ray tube (max. 3 W; 30 kV, 750 µA).
- 5 primary filter positions, programmable.
- Operating temperature: 10 °C to 35 °C.

Screen and data handling:

- 7″ touch screen, panel PC.
- Display resolution: 480 (H) x 800 (V) .
- Capable of storing 100,000 results with spectra.
- USB port for data transfer.
- Network connection for access to cloud-based LiveConnect service.
- Integrated printer for automatic and manual reporting.
- Graphical user interface available in 9 languages: Chinese, English, French, German, Japanese, Korean, Portuguese, Russian and Spanish.

Analysis modes:

- Simultaneous or sequential analysis with live updates.
- Quantitative analysis of up to 20 elements with empirical calibrations.
- Qualitative investigation using dedicated spectrum evaluation tool.

Sample presentation:

- Sample turntable automatically rotates sample to and from the X-ray analysis components.
- Measure liquids, powders, gels, solids, paper, film, etc.
- Unique Hitachi High-Tech Analytical Science sample holders for pressed pellets and discs with diameter 28 – 40 mm (1.1 – 1.5″) diameter.
- Optional sample spinner available for non-homogeneous samples.

Sample chamber:

- Analysis in air path.
- Atmospheric compensation corrects for changes in air density caused by environmental conditions or sample temperature.

Standard accessories:

- Diagnostic setting up sample (SUS).
- USB memory stick containing the user manual available in 9 languages and factory backup.
- Printer paper.
- Secondary safety windows.

Radiation safety:

- Password-protected user interface.
- Fail-safe warning lights.
- X-ray status indicator in the user interface.

Dimensions, weight and power:

- 440 mm (W) x 520 mm (L) x 155 mm (H).
- 16 kg
- 100 – 240 V, 47 / 63 Hz

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