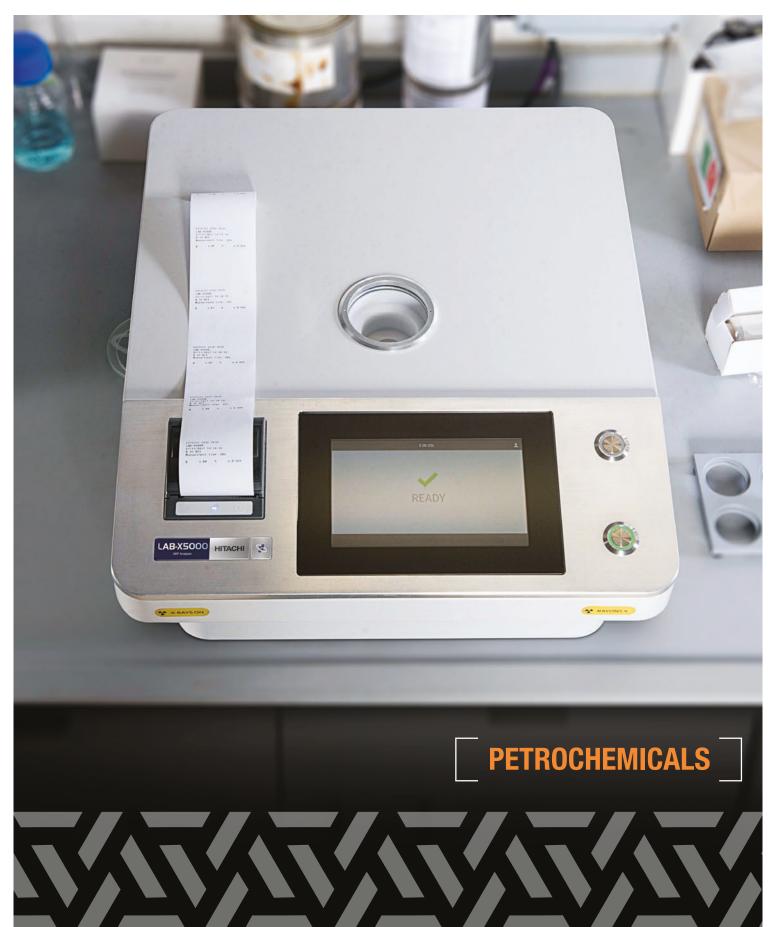




Oils and fuels analysis made easy



Tried and trusted

For over 45 years, our LAB-X analysers have been counted on for reliable analysis in production control and testing laboratories.

With the LAB-X5000 we have made analysis faster, easier and more versatile than ever before by combining software inspired by our leading line of point-and-shoot handheld analysers with hardware features built for high-throughput laboratory testing.

The strength of the LAB-X5000 is its simplicity and robustness. The streamlined interface makes it easy for any operator to get repeatable results with a single touch of a button. The automatic sample positioner moves the sample away from the X-ray tube and detector after measurement to protect against damage from spills.





Feature	LAB-X5000	X-Supreme8000
Element range	Mg - U	Na - U
Sample tray capacity	1	10
User interface	Touch screen	MS Windows, optional touch screen
Atmospheric compensation	•	
High-resolution detector	•	•
Helium purge for improved analysis of Na - Cl		•
One touch to start measurement	•	
Automatic data storage	•	•
Cloud-based data backup with LiveConnect	•	
Factory-loaded calibrations for selected applications	•	•



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 nonhomogeneous 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.



Other products

We have been providing industrial analysis products for materials analysis for over 40 years.

- Benchtop XRF: the X-Supreme8000 offers additional versatility and features for more complex analysis.
- Handheld XRF: for portable analysis of bulk materials and ensuring compliance to consumer goods and electronics regulatory statutes.
- Micro spot XRF: for precise analysis of the smallest samples and features.

This publication is the copyright of Hitachi High-Tech Analytical Science Ltd and provides outline information only, which (unless agreed by the company in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or regarded as the representation relating to the products or services concerned. Hitachi High-Tech Analytical Science Ltd's policy is one of continued improvement. The company reserves the right to alter, without notice the specification, design or conditions of supply of any product or service.

Hitachi High-Tech Analytical Science Ltd acknowledges all trademarks and registrations.

© Hitachi High-Tech Analytical Science, 2017. All rights reserved.

Part number: 63*137/1117



