

# LAB-X 5000

**HITACHI**  
Inspire the Next

Wood preservatives analysis simplified



WOOD TREATMENT

# Rapid, accurate and reliable quality control

Designed for speed, accuracy and dependability, the LAB-X5000 comes pre-calibrated specifically for the needs of wood treatment plants. Sample analysis is as easy as simply loading the sample, pressing start and reading results within seconds. Increased speed of throughput enhances productivity of both your quality assurance testing and, subsequently, your overall plant.

Built to perform in the toughest operating environments, this compact instrument is robust and precise, delivering reliable results in 24/7 production facilities and laboratories alike. At the heart of the product is energy dispersive X-ray fluorescence (XRF) technology, optimized for the highest degree of accuracy.

Feature-rich, the LAB-X5000 is ideal for quality control in the wood protection industry. It's ready to test for the full range of elements required by the industry, in both solution and sawdust.

In addition to giving you confidence that your treatment process meets internal and industry standards, the LAB-X5000 helps avoid waste and minimize production costs. Ensuring you supply high quality and long-lasting products enhances your reputation and improves customer satisfaction.





# The ideal analyzer for the wood protection industry



## EASY TO USE

Training can be completed in minutes and the LAB-X5000 can be used by any operator. Samples are easily prepared and measurements can be taken at the push of a button.



## FAST

An intuitive interface with pre-set parameters allows high quality, repeatable tests to be delivered in seconds.



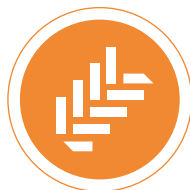
## ACCURATE

Precise analysis is critical for quality assurance. The LAB-X5000 measures a range of chemistries both as solutions or in treated lumber.



## EFFICIENT, CONVENIENT AND COMPACT

The LAB-X5000 is self-contained and does not require connections to an external PC or helium bottles, making it easy to set up anywhere.



## DURABLE

We submitted the LAB-X to a series of rigorous tests to ensure it will not let you down, even in harsh environments. Its industrial design and the use of smart sample holders protect the instrument from spills and damage, ensuring minimum downtime.



## VERSATILE

Calibration by customers is easily performed using the setup tools, although our application engineers are happy to assist.

# Designed for performance

Powerful XRF technology drives an array of features in an easy-to-use format.

Features	
<b>Simple to operate</b>	Inspired by our point-and-shoot, handheld analysers, the LAB-X5000 streamlines the measurement routine to a single touch.
<b>Intuitive interface</b>	Password protected menus are designed to simplify operation, reducing mistakes and boosting productivity.
<b>Large touch-screen</b>	This 7-inch industrial grade screen provides great results visibility, and presents menus clearly for complete ease of use.
<b>Automated turntable</b>	Designed to protect the analyzer's critical components from spills and damage, the sample is rotated away from them when the analysis is completed.
<b>Safety windows</b>	The sample cup fits inside a secondary safety window for protection against leaks and spills. The window is easy to remove and replace when dirty, ensuring accurate results time after time, and maximum uptime.
<b>On-board memory</b>	Stores up to 100,000 results and spectra, accessed via the touch-screen for verification and evaluation.
<b>Cloud-based service</b>	Flexible results management with our secure cloud-based service.
<b>Built-in printer</b>	Print results after each analysis for your records.
<b>SmartCheck</b>	Customised pass and fail criteria simplifies decision-making during complex testing.
<b>Factory calibrations</b>	Turnkey solution with calibrations for ACQ solutions, CCA solutions and CCA-treated wood as standard.
<b>Sample spinner</b>	Ensures reliable results, even when your samples are not homogeneous.

Conform to test norms from AWPA with confidence.

For over 45 years, the LAB-X has provided robust, reliable and accurate analysis using XRF technology. Hitachi High-Tech has developed and improved both this technology and the product to create the new, enhanced LAB-X5000.

# Our Service

Hitachi High-Tech's global network of service hubs offers a full range of technical support to keep you up and running:



## Telephone help-desks

Whenever you have a problem, we're ready to help.



## Online diagnostics

In-depth and rapid support via our website.



## Training

To help you get the most out of your analyser and its full range of features.



## Extended warranties

To provide peace of mind and avoid unplanned costs.



## Repair service

We offer a fast and efficient repair service, recertification and maintenance through our service agreements, ensuring your analyser is maintained in excellent condition.

# What next?

Contact one of our experts today at [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com) to arrange a demo.

## MORE INFORMATION

To find out more about the LAB-X5000, visit: [www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)



## Other products

With over 40 years' experience developing XRF analyzers, we offer a range of related products.

- | **X-Supreme8000:** with a 10-position auto-sampler, the X-Supreme offers additional versatility and increases testing throughput.
- | **X-MET8000:** compact and light, our handheld XRF analyser enables users to test treated wood in the field.

Browse our full range of products online at [www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)



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 Science for a better tomorrow