

XL-PMI XRF Analyzer



Eliminate the guesswork—verify metal alloys for manufacturing quality assurance.

GE introduces the XL-PMI x-ray fluorescence (XRF) analyzers—powered by Thermo Fisher Scientific technology. When speed, accuracy, and reliability count, our perfect combination of hardware, software, and direct industry experience helps meet your specific analytical requirements.

The XL-PMI Series is just another example of how we're improving the health of industry.

Built for the Way You Work

GE's XL-PMI analyzer offers high performance and advanced electronics while maintaining the point-and-shoot simplicity that has been the hallmark of all Thermo Fisher Scientific's legacy XRF instruments. Sealed against moisture and dust with 100% embedded software tools, these analyzers are lightweight yet ruggedly built to withstand the harshest environments—in the field or on the shop floor.

Ergonomically designed and featuring daylight-readable icons, GE's XL-PMI incorporates customizable menus, multi-language options, and a standard analytical range of more than 25 elements from sulfur to uranium.

The Instrument of Choice

The XL-PMI is the instrument of choice when you require accuracy, precision, and ease of use. It is the ideal instrument to analyze metal alloys for industrial applications or product QC. It provides immediate nondestructive chemical analysis of alloy materials from titanium to nickel, as well as achieving superior performance for tramp and trace element analysis. With its unparalleled accuracy, you can be confident that GE's XL-PMI will correctly identify and provide precise chemical composition for a wide range of metal alloys—ensuring the right materials were used for the right application.

GE's XL-PMI analyzer provides you with many distinct advantages:

- Very easy to use—even by non-technical personnel
- Rugged design for real-world industrial environments
- Truly nondestructive test with near instantaneous results
- From turn on, to trigger pull, to results in seconds
- Confident analysis with technology from NDT industry leaders



With point-and-shoot simplicity, you can view the alloy grade and chemistry on the built-in, color, touchscreen display.

GE's XL-PMI—powered by Thermo Fisher Scientific technology—

stands far above the competition, with its many standard features and available options. Taking advantage of the standard Thermo Fisher Scientific Niton Data Transfer (NDT©) PC software suite to customize the instrument, you can set operator permissions, generate custom reports, print certificates of verification personalized with your own company logo, or remotely monitor and operate the instrument hands-free from your PC. Integrated USB and Bluetooth™ communications provide direct data transfer to your PC or networked storage device, eliminating the cumbersome data synchronization procedures required by PDA-based XRF analyzers.



XL-PMI XRF Analyzer Specifications

Weight	3 lbs 5.8 oz (1.53 kg)
Dimensions	10.25 x 11 x 4 in. (256 x 275 x 100 mm)
Tube	Ag anode 45 kV maximum, 80 uA maximum
Detector	High-performance semiconductor
System Electronics	400 MHz ARM 11 CPU 300 MHz dedicated DSP 80 MHz ASICS DSP for signal processing 4096 channel MCA
Display	Fixed angle, color, touch-screen display
Standard Analytical Range	>25 elements from S to U (varies by application)
Data Storage	Internal >10,000 readings with spectra
Data Transfer	USB, Bluetooth™, and RS-232 serial communication
Security	Password-protected user security
Mode (Varies by application)	Alloy Mode Coating Mode Mining Mode Industrial Pb Paint Mode
Data Entry	Touchscreen keyboard User-programmable pick lists Optional wireless remote barcode reader
Standard Accessories	Locking shielded carrying case Shielded belt holster Two 6-cell lithium-ion battery packs 110/220 VAC battery charger/AC adaptor PC connection cables (USB and RS-232) Niton Data Transfer (NDT) PC software Safety lanyard Check samples/standards
Optional Features and Accessories	Thermo Scientific portable test stand Stationary (bench-top) stand Mobile test stand Welding mask
Licensing/Registration	Varies by region. Contact your local distributor.

XL-PMI Analyzers

Whether you need an analyzer for incoming metal inspection, verification of in-stock parts, or PMI of in-service process components, the XL-PMI provides cost-effective high-speed performance, point-and-shoot simplicity, and the cutting-edge NDT technology that you have come to expect from these industry leaders.

GE's XL-PMI analyzers represent just one of our handheld analyzer solutions, which include XRF tools for metal alloy identification and many other analysis needs.



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