

CHEMLITE™ PLUS LASER METALS ANALYZER

Faster measurement of more metals for positive material identification (PMI), quality control, and scrap sorting of metal alloys for industry-critical operations.



Choose the ChemLite™ Plus Metals Analyzer to ensure correct identification of all metals and conduct proper quality control and scrap sorting. Only its Class 1M, eye-safe laser technology provides absolutely safe, license and regulation-free analysis of all metals with the best limits of detection of any LIBS handheld device.

MEASURE MORE METALS FASTER AND WITH EVEN GREATER ACCURACY

The ChemLite™ Plus Metals Analyzer Model 4240 incorporates new, high-performance hardware for measuring aluminum, magnesium, titanium, iron, copper and nickel; faster measurements in as little as 1 second; and higher sensitivity and more accurate readings with improved limits of detection. The ChemLite Plus device also incorporates the same great features as the original ChemLite model, including: Class 1M, eye-safe laser technology; argon-free operation; advanced user interface; built-in cleaning mode; and largest spot size. Ensure all materials used in your operation are what they need to be with the fast and easy-to-use ChemLite Plus analyzer.

TRAMP DETECTION

With the ChemLite Plus analyzer users can now screen for contaminants like Beryllium and Lithium in Aluminum-base down to 1 PPM to ensure metal and alloy purity thanks to new, sophisticated components that provides reliable tramp detection like never before.

EYE-SAFE LASER PRODUCT: NO X-RAYS, NO HASSLES, NO REGULATORY BURDENS

The ChemLite Plus analyzer features a millijoule-level, Class 1M eye-safe laser design so you can avoid x-rays radiation safety concerns and eliminate the need for laser safety programs.

ROBUST OPERATION

Argon-free operation eliminates the added expense and hazard of consumable gas but still maintains sensitive analysis of metals; while no rastering and no moving parts means the instrument is not prone to mechanical failures yet still provides the largest spot size of any handheld device at 200 µm.

BUILT-IN CLEANING MODE

The ChemLite Plus analyzer features a built-in cleaning mode that burns away contamination



SUPERIOR ANALYSIS OF LIGHT METALS

Get precise chemistry breakdowns of all metals, including accurate analysis of alloying elements. Quickly and accurately analyze the light elements that traditional XRF instruments miss – like Al in Ti base – to deliver product that meets specifications and enhances your quality reputation

- + Base Metals
 - Assayed: Al, Ti, Mg, Fe, Cu, Ni
 - Identified: Ag, Cr, Co, Hf, Pb, Pd, Si, Sn, Ta, V, W, Zn, Zr
- + Alloying Elements
 - Aluminum-base: Ag, Al, Be, Bi, Cd, Cr, Cu, Fe, Li, Mg, Mn, Ni, Pb, Si, Sn, Sr, Ti, V, Zn, Zr
 - Copper-base: Ag, Al, Be, Bi, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Si, Sn, Zn
 - Iron-base: Al, C, Co, Cr, Cu, Fe, Mn, Mo, Nb, Ni, Si, Ti, V
 - Magnesium-base: Al, Cu, Fe, Mg, Mn, Ni, Si, Zn, Zr
 - Nickel-base: Al, Co, Cr, Cu, Fe, Hf, Mn, Mo, Nb, Ni, Si, Ta, Ti, W
 - Titanium-base: Al, Cr, Cu, Fe, Mn, Mo, Nb, Pd, Si, Sn, Ti, V, Zr

SPECIFICATIONS

- + Fast variable measurement times: 1 second, 2 second, or 3 seconds
- + Preloaded with an expansive library of metal alloys; user-configurable library
- + Superior limits of detection
- + USB data storage/transfer
- + "Certificates of Verification" reports
- + 2 rechargeable, removable lithium-ion batteries included
- + AC power charger included
- + Hard-side carrying case included
- + 1-year limited warranty included
- + Alloy Manager Software for custom alloy definitions included
- + Standards Manager Software and Arconic CRMs for field standardization of instrument performance optional

FOR AN ON-SITE DEMONSTRATION, CONTACT A TSI® | CHEMLOGIX™ REPRESENTATIVE BY VISITING TSI.COM/CHEMLITEPLUS OR CALL **800-874-2811**.