

NEXT-GENERATION FIELD ANALYSIS

Handheld LIBS Ore Analyzer

No sample prep • No radiation • Results in 1 second



Light element detection

Detects Li, Be, B, C and other light elements that XRF cannot measure. Full periodic table coverage.



Zero radiation hazard

Laser-based analysis eliminates X-ray licensing requirements. Safe for field operators.



Direct testing at the rock face

Test solids and liquids with zero sample preparation. Hot-swappable battery for uninterrupted shifts.



1s

ANALYSIS TIME



2.3

KG TOTAL WEIGHT



Full

PERIODIC TABLE



0

RADIATION



Li-Be

LIGHT ELEMENTS

TECHNICAL SPECIFICATIONS

LIBS-ORE-1064

KEY APPLICATIONS

Lithium Ore Hard rock & brine	Nickel Sulfide & laterite
Cobalt Bearing deposits	Copper & Gold Exploration
Battery Recycling Material recovery	Rare Earth Element detection

KEY ADVANTAGES

Light Elements Detects Li, Be, B, C that XRF cannot measure	No Radiation Laser-based, no X-ray licensing required
Direct Testing Test solids and liquids with zero sample prep	All-Day Power Hot-swappable battery for uninterrupted shifts

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Technology	Laser-Induced Breakdown Spectroscopy (LIBS)	Laser	1064 nm Nd:YAG, passively Q-switched
Spectral Range	190 to 950 nm	Resolution	< 0.2 nm
Elements	Full periodic table incl. Li, Be, B, C	Analysis Time	1 to 2 seconds per test
Display	4.0" color touchscreen, sunlight-readable	Data Export	USB-C, WiFi, SD/TF card - PDF / XLSX
Battery	14.8V, 3250mAh rechargeable Li-ion	Operating Temp	-5 to +40 °C
Weight	2.3 kg (with battery)	Dimensions	90 x 280 x 150 mm