LABORATORY-GRADE PRECISION, BENCHTOP FORM

Benchtop LIBS Element Analyzer

Direct solid analysis • Full periodic table • Zero sample prep

+ Multi-element simultaneous analysis

Detects Si, Al, Ca, Mg, Fe, K, Ti, Mn, Li, Be and more in a single measurement with built-in quantitative analysis module.

< Light element detection (Z < 12)

Measures C, N, O, Li, Be, B and other light elements that XRF cannot detect. Fills the gap in traditional analysis.

S Direct solid sample analysis

Test rocks, minerals and ores directly without acid dissolution. Auto sample stage with 3D adjustment and auto-rotation.

REQUEST DEMO

Full specifications on page 2

180-960	<0.22	1-60	43	AC 220
NM SPECTRAL RANGE	NM RESOLUTION	SECONDS ANALYSIS	KG TOTAL WEIGHT	V POWER SUPPLY

TECHNICAL SPECIFICATIONS

LIBS-BENCH-LT

KEY APPLICATIONS

Ore Analysis
Rock & mineral composition

Geological
Exploration & core logging

Environmental
Soil & sediment testing

Metallurgy
Metal & alloy research

Lithium Ore
Hard rock & brine detection

Non-Ferrous
Cu, Ni, Zn, Pb analysis

KEY ADVANTAGES

Zero Sample Prep
No acid dissolution needed for solid samples

Auto Sample Stage
3D adjustable with auto-rotation function

Surface Imaging
Built-in optical imaging for sample surface

Smart Cooling
Intelligent temperature-controlled laser

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Technology	Laser-Induced Breakdown Spectroscopy (LIBS)	Laser Cooling	Smart temperature control
Spectral Range	180 to 960 nm	Resolution	0.10 to 0.22 nm
Elements	Full periodic table incl. Li, Be, C, N, O	Analysis Time	1 to 60 seconds adjustable
Rock Types	Ore, mudstone, shale, limestone, sandstone, dolomite	Sample Stage	Auto 3D adjustable, auto-rotation
Imaging	Surface optical imaging equipped	Power Supply	AC 220V
Weight	43 kg	Dimensions	425 x 610 x 660 mm (L x W x H)
Operating Temp	10 to 40 °C (optimal 20°C)	Humidity	< 60% RH

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