TORONTECH

MINERAL ANALYZER

Good Helper of Mining People

The TrueX Mineral Analyzer delivers fast and precise elemental analysis results with minimal or no sample preparation required across all stages of mining operations. From grassroots exploration and development to ore grade control and environmental investigations, it offers increased sample density compared to traditional laboratory methods. This saves time, reduces concerns, and minimizes effort.

APPLICATIONS

Portable XRF Analyzer - Mineral Analyzer

Analysis of mineral processing grade in geological prospecting

Portable XRF Analyzer - Mineral Analyzer

Mineral research

Portable XRF Analyzer - Mineral Analyzer

Tailings processing

Portable XRF Analyzer - Mineral Analyzer

Slag reuse

FEATURES

Handheld

The Handheld XRF Analyzer - Mineral Analyzer instrument is compact and lightweight, making it easy to carry.

Industrial resistance touch screen

The 4.3-inch industrial resistance touch screen features superior backlight performance compared to capacitor screens. It remains clearly visible even under strong sunlight in the field and eliminates the need to remove gloves in special outdoor environments.

User-defined

Handheld XRF Analyzer - Mineral Analyzer users have the capability to generate customized professional reports, incorporating elements such as company logos, addresses, test results, spectrographs, and additional sample information like product descriptions, origins, and batch numbers.

High precision

The TrueX handheld ore analyzer features high-performance X-ray tubes and high-resolution detectors, coupled with digital multi-channel processing technology. This combination results in higher analysis accuracy.

GPS system

Handheld XRF Analyzer - Mineral Analyzer can utilize the built-in GPS latitude and longitude data along with altitude data to import third-party GIS analysis software. This enables the creation of three-dimensional geographical distribution maps of element content, facilitating rapid assessment of mineral reserves or geological environmental disaster areas.

TECHNICAL SPECIFICATIONS

Weight	1.5KG
Size	254×79×280mm（ L×W×H）
Excitation source	550kV/200μA upper limit, tube pressure tube flow can be adjusted freely, W/Ag/Rh target (optional)
Detector	Si-Pin/SDD
Detection range	Mg—U
Display System	4.3 "industrial grade resistance touch screen Automatically adjust display brightness according to external environment brightness
Data processing	32GB storage USB, can connect the device to the Internet, remote setting and maintenance of the instrument
Security	Built-in DoubleBeam™ technology automatically senses samples ahead for enhanced radiation safety and protection Waterproof, dustproof and shockproof carrying case Safety rope
Power system	Intelligent battery with MSBUS, real-time monitoring battery, can directly check the remaining capacity of the battery, the battery complies with the air transport of dangerous goods regulations A single battery can work for about 8 hours
Language	English, etc.

TORONTECH.com

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Torontech Inc.
251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC
601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE
Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE

Phone: +971 488 19252
Email: me@torontech.com

USA | Canada | EU | UAE | GCC | KSA | India | Africa | Latin America | Asia