ELVATECH

PRECISION THAT
EMPOWERS CONFIDENCE

PROSPECTOR 3

THE FASTEST HANDHELD XRF FOR VARIOUS TASKS

PROSPECTOR 3 IS YOUR RELIABLE, EFFICIENT HANDHELD XRF ANALYZER TAILORED FOR ACCURATE ANALYSIS OF VARIOUS MATERIALS

Designed specifically for metallurgy, quality assurance, precious metals analysis and scrap recycling, it delivers precise results quickly and simply, ideal for everyday tasks without added complexity.

DEPENDABLE PERFORMANCE

Tungsten-anode X-ray tube at 40 kV (optional 50 kV) provides consistent excitation — so every reading you take is rock-solid and repeatable.

RAPID & ACCURATE

High-quality Silicon Drift Detector (SDD) delivers fast, precise measurements — minimizing downtime and reducing the need for repeat runs.

COMPACT & RUGGED

Ergonomic, portable design (178 × 88 × 40 mm; 1.05 kg) with IP65 dust- and waterproof protection — built to withstand harshfield conditions.

USER-FRIENDLY OPERATION

Straightforward software interface and optional sample-view CCD camera offer clear visualization and streamlined workfl ows — so new operators get up to speed in minutes.

TWICE	TWICE
better precision	lower detection limits

FOUR TIMES
faster than other handheld XRF

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DETECTION RANGE

Accurately analyzes elements from Sulfur (S) through Uranium (U), covering all your heavy-element needs.
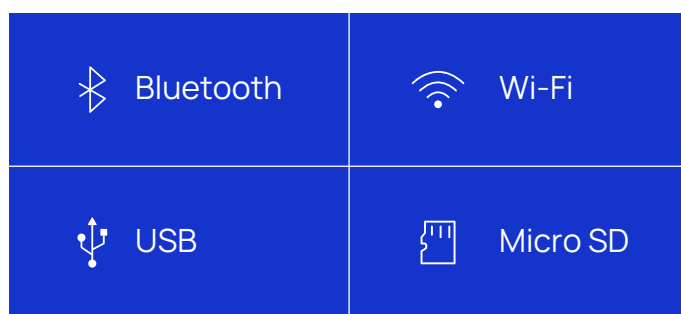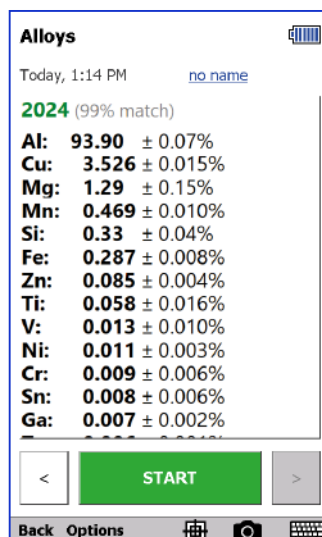
STABLE PERFORMANCE

Single fixed filter and single fixed collimator ensure uncomplicated, maintenance-free operation.

VISUAL PRECISION

Optional sample-view CCD camera for precise sample placement and verification before analysis.

INTERACTIVE TOUCHSCREEN

Large 4.3 ″ folding display with image autorotation supports both horizontal and vertical use — reducing operator fatigue.

Alloys — Today, 1:14 PM — no name
2024 (99% match)

Al:	93.90	± 0.07%
Cu:	3.526	± 0.015%
Mg:	1.29	± 0.15%
Mn:	0.469	± 0.010%
Si:	0.33	± 0.04%
Fe:	0.287	± 0.008%
Zn:	0.085	± 0.004%
Ti:	0.058	± 0.016%
V:	0.013	± 0.010%
Ni:	0.011	± 0.003%
Cr:	0.009	± 0.006%
Sn:	0.008	± 0.006%
Ga:	0.007	± 0.002%

START
Back Options

Alloys
Place the measurement window of the spectrometer onto a sample.
Never hold a sample in your hand!
Tap the Start button.

START
Back Options

⚹ Bluetooth	📶 Wi-Fi
⁑ USB	▭ Micro SD

TYPICAL APPLICATIONS

✓ Positive Material Identification and Scrap Sorting

✓ Ferrous and Non-Ferrous Alloy Analysis

✓ Precious Metal and Jewelry Verification

✓ Automotive Catalyst Testing (Pt, Pd, Rh)

✓ Coating Thickness

✓ Lead Paint Analysis

REAL-WORLD EXAMPLE

In demanding scrap yards, ProSpector 3 accelerates material sorting, ensuring accurate alloy identification within seconds. Its intuitive design allows even new team members to operate it confidently, maximizing productivity.

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TECHNICAL SPECIFICATIONS

X-ray Tube: Tungsten anode, 40 kV (optional 50 kV)

Detector: Silicon Drift Detector (SDD)

Filters & Collimator: Single fixed filter and collimator

Detection Range: S - U

CCD Camera: Sample view (optional)

Dimensions &Weight: 178 × 88 × 40 mm; 1.05 kg

Ingress Protection: IP65 dustproof and waterproof body

Bluetooth/Wi-Fi/GPS: Optional

Choose ProSpector 3 for precise, reliable heavy-element analysis in a straightforward, affordable handheld analyzer.

Speed	Lightness	Accuracy	Stability

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