

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 workflows – so new operators get up to speed in minutes.



TWICE
better precision

TWICE
lower detection limits

FOUR TIMES
faster than other handheld XRF



DETECTION RANGE

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

STABLE PERFORMANCE

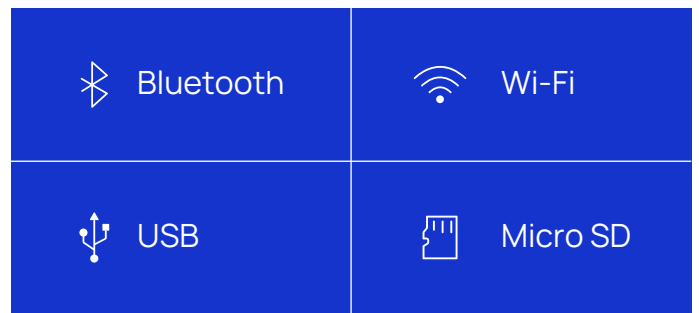
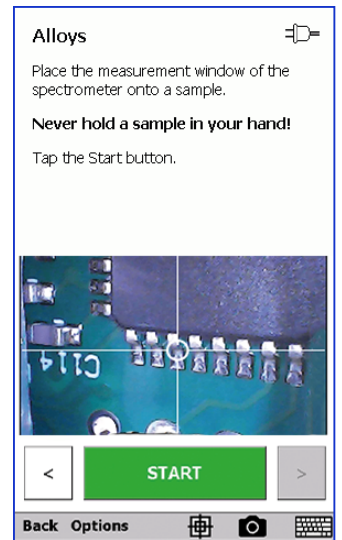
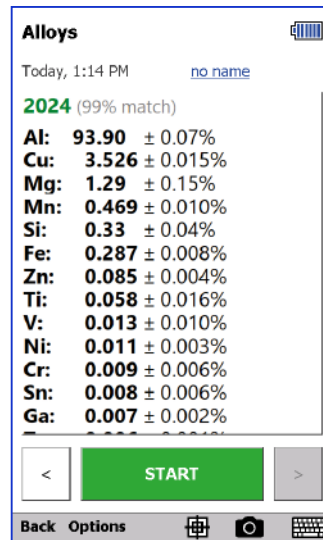
Single fixed filter and single fixed collimator ensure uncomplicated, maintenance-free operation.

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.



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.

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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