

twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Medidor de Fluorescencia de Rayos X (Sulfuro a Uranio), Elvatech EL-PROSPECTOR3

www.twilight.mx

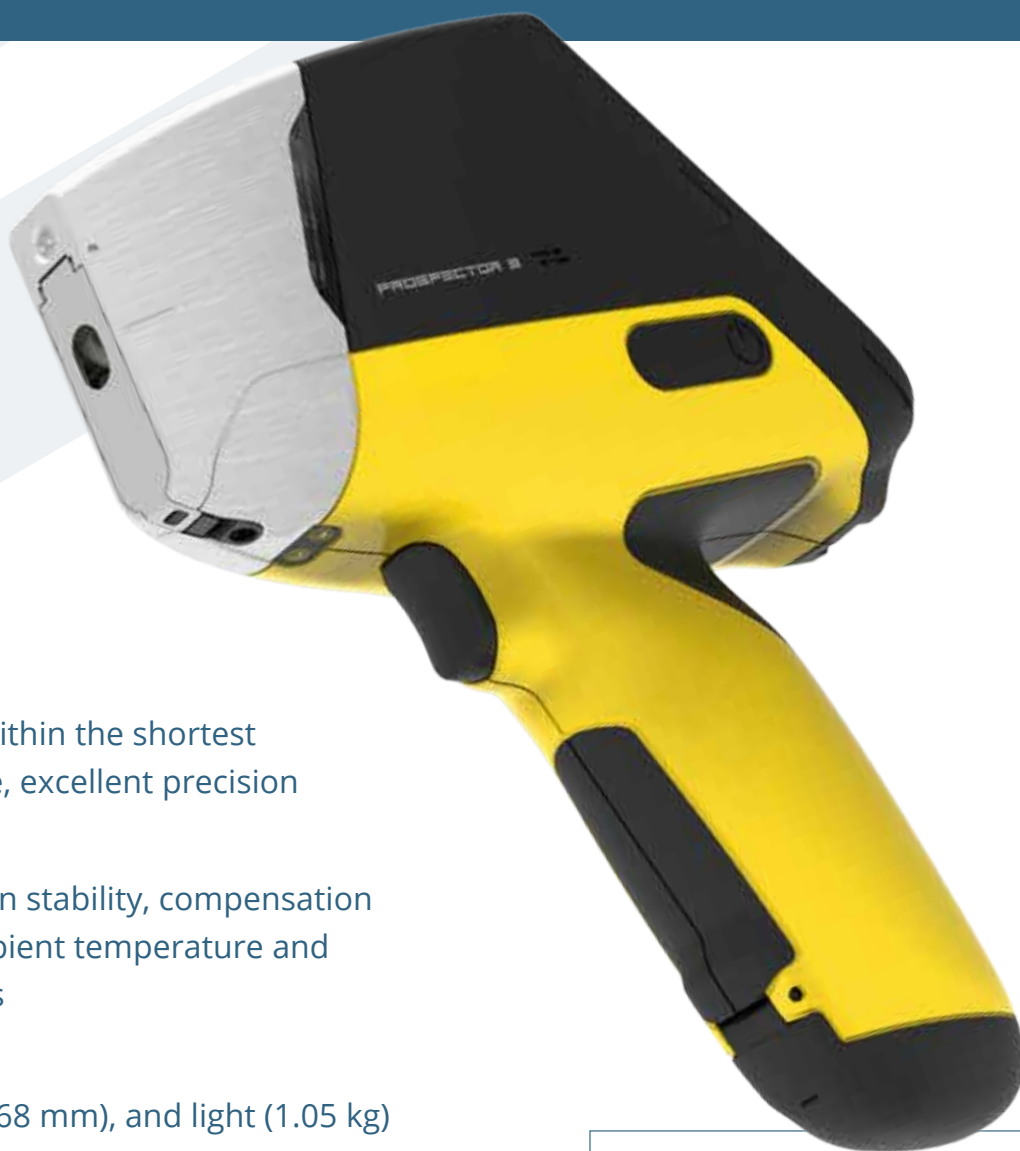
Advanced XRF equipment and solutions



**ANALYTICAL POWER
OF A FULL-BLOWN LAB
IN YOUR HAND**

PROSPECTOR 3

ElvaX ProSpector 3 is the next-generation hand-held X-ray fluorescence analyzer. It offers a new level of analysis accuracy, speed and detection limits. ProSpector 3 is the smallest and lightest hand-held XRF on the market with an intuitive and user-friendly software interface.



PRODUCTIVITY

highest accuracy within the shortest measurement time, excellent precision

STABILITY

Excellent calibration stability, compensation of influence of ambient temperature and pressure variations

MOBILITY

Small (236 x 193 x 68 mm), and light (1.05 kg) handheld analyzer.

RELIABILITY

Dustproof and waterproof instrument body, with IP-67 protection level.

FUNCTIONALITY

Two CCD cameras for macro- and micro- view combined with an automatic collimator

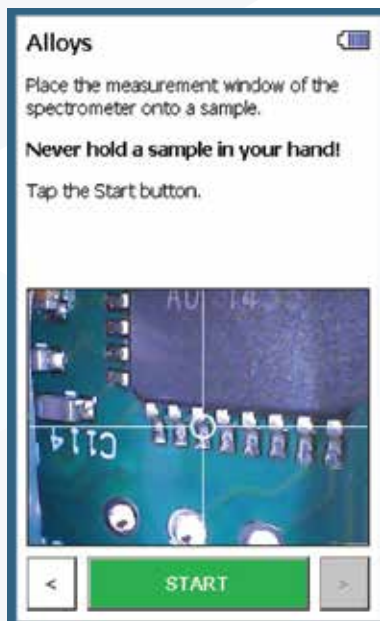
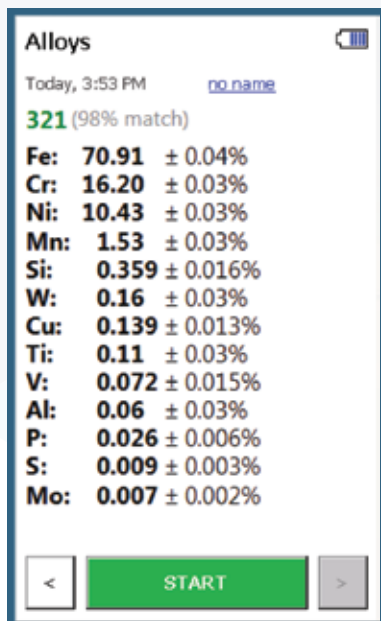
 Bluetooth

 Wi-Fi

 USB

 Micro SD

All interfaced to quick data exchange



ProSpector 3 has the largest touch screen (4.3") available in hand-held XRF analyzers

Image autorotation lets you operate the analyzer both in the horizontal and vertical position.

The unique design of the folding display allows for convenient operation in the lab stand with no need to use an external PC.



ProSpector 3 is available in two bright colors, so they never get lost during Your operations.

500 000 cps

World's fastest XRF analyzer (more than twice as fast as any other handheld XRF) – highest accuracy within the shortest measurement time, excellent precision



APPLICATIONS

Positive material identification and scrap sorting

Alloy analysis

Ferroalloys

Jewelry and precious metals analysis

Mining and geology

Automotive catalytic converters

RoHS, WEEE, ELV, Proposition 65 Compliance testing

Construction materials and minerals

Refractory materials

Environmental testing of soils and sediments, water, paints and forensic materials

Coating thickness

Custom applications are available upon request

General specs

Display: 4.3" LCD touchscreen

Hardware: 1GHz WindowsEC7 based

Dimensions: 236x193x68 mm

Weight: 1.05 kg (with battery)

Battery: up to 16 hours

Protection: IP67

GPS: on board

Interfaces: USB, Bluetooth, WiFi, microSD

DigiX-50 X-Ray source

Anode: Rh, Ag

Power: 5 W

Current: 200 μ A

Voltage: 50 kV

X-Ray Fast SDD detector

Energy resolution: 140 eV @ Mn Ka

Count rate: >500 000 cps.



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