



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

**PROSPECTOR 3**

TALX 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

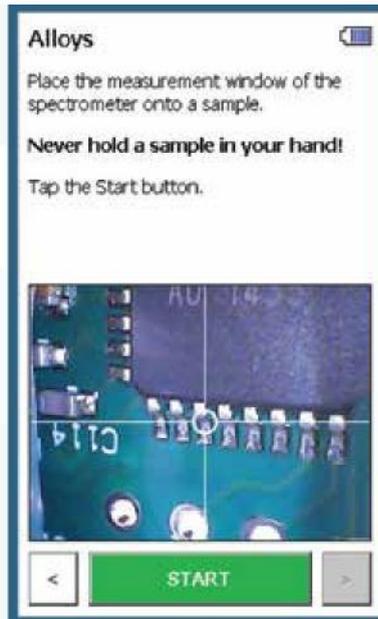
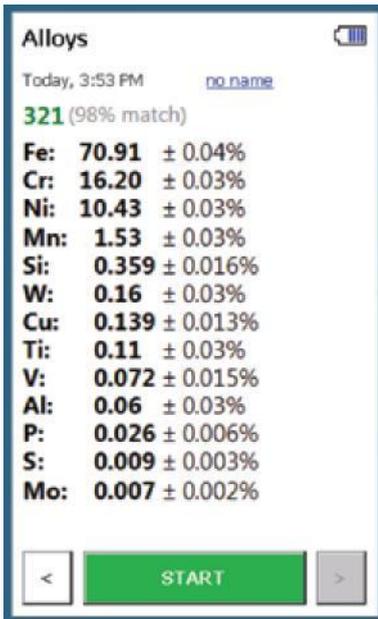
 Bluetooth

 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 est disponible en 2 couleurs Bleu ou Jaune au choix et un Bâti de travail avec écran orientable



# 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  $\mu$ A  
Voltage: 50 kV

## X-Ray Fast SDD detector

Energy resolution: 140 eV @ Mn K $\alpha$   
Count rate: >500 000 cps.

TAL INSTRUMENTS  
83 RUE JULES AUFFRET  
93500 PANTIN  
FRANCE

Phone: (+33) 0157423712  
Fax: (+33) 0157423829

[info@talinstruments.fr](mailto:info@talinstruments.fr)

[www.talinstruments.fr](http://www.talinstruments.fr)