

Hand Held XRF Spectrometers



Description

HHXRF Spectrometers are widely used in elemental and chemical analysis, specifically for analysis of metals, plastics, minerals ores and others. X-Ray Fluorescence is also used by many universities for research in geochemistry, forensic science, archaeology and others

The S1 TITAN is among the lightest (1.5 kg, including battery) tube-based handheld XRF analyzers on the market today. Fast analysis speed and exceptional accuracy are two key attributes that help define the S1 TITAN.

Other innovative features include an integrated touch-screen color display, 50 kV X-ray tube, SMART Grade™ timing, SharpBeam™ optimized X-ray geometry, Silicon Drift Detector (SDD), and an extremely tough housing that is sealed against humid and dusty environments.

Benefits

- ✓ Available calibrations include: alloy, gold and precious metals, bulk material (E-scrap and catalytic converters), soil, mining, restricted materials, and customer specific
- ✓ Superior FAST SDDTM detector technology
- ✓ Superior count rates and resolution (compared to previous generation SiPIN instruments)
- ✓ Faster than previous generations
- ✓ Lower detection limits
- ✓ Easy analysis of light elements, such as magnesium, aluminum and silicon, without the need for vacuum or helium atmosphere (S1 TITAN 800 and 600 only)

Application

- ✓ QA/QC and positive material identification (PMI) in fabrication
- ✓ PMI for plant / refinery safety
- ✓ Scrap metal sorting
- ✓ Aerospace alloys
- ✓ Gold testing
- ✓ Precious metals testing
- ✓ Mine face
- ✓ Ore grade control
- ✓ Core analysis
- ✓ Mineral exploration
- ✓ Food Safety & Agriculture
- ✓ Geochemical mapping
- ✓ Soil analysis
- ✓ Metal recovery
- ✓ And More



Products Covered

- ✓ S1 Titan
- ✓ Tracer
- ✓ Handheld Libs