



## Portable Hand-held XRF Alloy Analyser

### MetalScan X-Spek

- High performance versatile hand-held portable XRF metals analyser
- Designed for on-site analysis
- Point and shoot analysis
- Robust construction, easy to carry and simple to use
- Windows based software
- Grade Identification
- Positive Material Identification (PMI)
- Go/No Go sorting
- Multi-base



### Features

- Compact size, easily carried
- Portable complete weight 2Kg
- Removable PDA with colour touch screen and stylus
- Empirical chemistry libraries for Fe, Ni, Cu and Co alloys
- Rapid alloy identification
- True multi-base capability
- Rapid multi-element analysis
- Extensive alloy library

The MetalScan X-Spek energy dispersive X-ray fluorescence (XRF) analyser provides fast accurate results for PMI testing and material identification for quality control. The ergonomic hand-held portable analyser utilises a detachable PDA with colour touch-screen.

For use either on-site, in a plant or warehouse the MetalScan X-Spek units have all the analytical and processing power required.

Simple push button operation to start the identification process. An LED is illuminated on the probe whenever the X-rays tube is operable.

The MetalScan X-Spek is calibrated for the full range of commercial metal types, such as Steels, Brasses, Bronzes, Nickel and Cobalt alloys.



## Specification

### Optical system

- Sealed against dust and contamination

### Excitation Source

- X-Ray tube with Ag target
- Safety system

### Control and Data Processing

- PDA
- 240 x 320 backlit colour TFT LCD high luminescence touch-screen
- IP compliant
- Microsoft Windows Mobile operating system
- Wireless Blue-tooth
- Simple touch-screen menus.
- Foreign language menu capability

### Analysis

- Empirical chemistry libraries
- Display of standard deviation
- Pass/Fail - Go/No Go sorting
- Grade identification
- Storage and retrieval of data

### Quality and other features

- Log of all test data
- Storage and retrieval of data
- Transfer of data to spreadsheet

### Weights and Dimensions

- Probe size 300 x 100 x 280mm
- Probe weight: 2kg (4.5lbs)

### Electrical Requirements

- Rechargeable Li-ion battery
- 2 supplied

### Environmental Requirements

- Operating temperature 0 to 50°C

## ARUN Technology

Since launching the world's first portable CCD-based metals analyser in the 1980's, ARUN Technology has been first in the field for portable and desktop metals spectrometers. In the '90s the 1625 and 1650 MetalScan portable analysers became the industry standard for arc in air grade identification or Positive Material Identification. The MetalScan 2000 (introduced in 1995) and the MetalScan M2500 (1999) desktop units rapidly gained acceptance in foundries, die casters and metal finishers. Close links with industry ensure our on-going investment in research and development results in products that are relevant to the latest applications and that ARUN Technology remains at the forefront of Metals Analysis.



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