



S1 TITAN^{SP}

● Definition of Precision

The S1 TITAN^{SP} is a value based analyzer containing the traditional SiPIN detector. This analyzer is especially well suited for the analysis of standard alloys like low alloy steel, Cr/Mo steels, stainless steels, high temperature alloys like nickel and cobalt alloys, as well as brass and bonzes. With the aluminized Kapton[®] window, the S1 TITAN^{SP} is able to measure in-process samples at temperatures up to 500°C. This very rugged workhorse should be considered for any PMI application in your plant or factory.

In addition to the metal measurement applications, this analyzer can also be configured for mining and exploration. When measuring typical mining samples which contain heavy metals and heavy elements, the S1 TITAN^{SP} is a good choice for field work as well as mine and concentrator control. When the S1 TITAN^{SP} is configured to measure toys and other consumer products, the system is capable of measuring all the RoHS elements, in addition to other restricted heavy metals. This configuration is also well suited to environmental analysis from site investigation to final clean-up.

Benefits

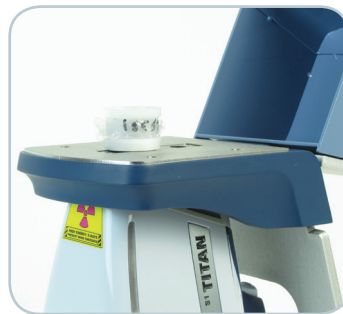
- Light Analyzer (1.44 kg with Battery)
- SharpBeam[®] configuration
- Accurate elemental analysis
- Rugged Analyzer
- Long Battery life
- Very intuitive User Interface
- 50 kV Tube
- Sealed against dust and moisture
- Easy data transfer
- Large Grade libraries



Detector	Elemental Range	Application	Sample Types (typical)	Analysis Time (typical)
SiPIN	Ti - U	Alloy Assay	Standard alloys	5 - 10 seconds
SiPIN	Ca - U	Mining	Exploration	30 - 60 seconds
SiPIN	Ca - U	Restricted Materials	Heavy Metals in Plastics	60 seconds

Available Application Packages:

- Alloy Assay and Identification
- Precious Metals
- E-scrap/catalytic converter scrap
- Mining and Exploration
- Environmental
- RoHS Electronics
- High Reliability Electronics
- Toys and Consumer Products



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