

IRONSCAN

1500

ON-BELT NATURAL GAMMA IRON ORE ANALYSER



IRONSCAN 1500 Advantages

- State-of-the-art technology;
- Low investment and maintenance costs;
- Simple installation;
- Configured to suit any belt size and load;
- No contact with the material or the conveyor belt;
- No sampling necessary during normal operation;
- Standard plant interfaces, including RS422 and Ethernet;
- IP65 (NEMA4) protection to suit typical plant conditions;
- Optional customised software output using SUPERSCAN;
- Local technical support;
- Support via remote connection;
- Can integrate TBM Moisture Monitor to report results on dry basis.

IRONSCAN 1500 Applications

- Real time ore quality data provides active process control, with timely information on ore quality to make decisions that maximise the value of the resource and minimise operating costs. Typical applications include:
- Monitor run-of-mine iron ore prior to stockpiling;
 - Monitor product iron ore;
 - Detects waste tipped into ore stream;
 - Typically reports iron, silica and alumina content.

IRONSCAN 1500 Description

The IRONSCAN 1500 measures the natural radiation from ores and concentrates. A feature of many ores and associated rocks is that they usually contain trace amounts of potassium, thorium and uranium. Within any individual ore deposit, the absolute amount of these elements usually varies in direct proportion to the amount of different constituents of the ore. By using a sensitive detector, combined with careful screening of the detector to exclude other natural radiation such as solar and terrestrial radiation, the Natural Gamma Monitor can determine the concentration of the target elements with a suitable precision for many applications. The monitor contains no radioactive source.

Note – Precision is entirely ore type dependent. Scantech will carry out test work on samples of ore prior to specification of the system to any application. Contact Scantech for more information.



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Scantech's Analysers

Scantech provides the energy, mining, coal and cement sectors with analysers for a wide range of situations and environments. We can deliver the online solution that suits your process and reduces your operating costs. Whether you want to monitor moisture, ash, sulphur, mineral or energy content we have the right application for your needs and budget.

Real time analysis during the various phases of resources production provides operators with significant opportunities for plant optimisation and quality control. Over the past three decades online analysers have become a standard process control tool in the resources sector. Recent scientific and computing innovations now offer considerable performance and operational improvements in current generation analysers. Scantech is a leading provider of this technology and with our experienced R&D staff we make sure our customers will benefit from improvements and new developments.

Scantech Products have
Patented Technology &
Registered Trademarks

Scantech Products

- COALSCAN 1500 On-belt Natural Gamma Ash Analyser
- COALSCAN 2100 On-belt Ash / On-belt Ash and Moisture Analyser
- COALSCAN 9500X On-belt Elemental Analyser for Coal
- GEOSCAN On-belt Elemental Analyser for Cement or Minerals
- Readimoist Through Bin Moisture Analyser
- SizeScan Particle Size Distribution Analyser
- TBM Series On-belt Microwave Moisture Analyser
- CIFA 350 Carbon In Fly Ash Analyser
- CM 100 On-belt Conductive Material Moisture Analyser
- IRONSCAN 1500 On-belt Natural Gamma Iron Ore Analyser
- MINERALSCAN 1500 On-belt Natural Gamma Minerals Analyser

Specifications

Dimensions & Weight

Length	1.05 m
Width	0.63 m
Height	1.40 m
Weight	1285 kg

(with electronic control cabinet)
Excludes customised overbelt shield.

Specifications subject to
change without notice.

REPRESENTATIVE

