IRONSCAN

Model 1500

ON-BELT NATURAL GAMMA IRON ORE MONITOR

IRONSCAN Model 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 run of mine feed to a coal preparation plant;
- Monitor product iron ore.

IRONSCAN Model 1500 Advantages

- State-of-the-art technology;
- Low investment and maintenance costs;
- Simple installation;
- Configured to suit any belt size and load;
- Does not touch the ore 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;
- Remote modem support.

SCANTECH

PROCESS CONTROL SPECIALISTS

IRONSCAN

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, or energy content we have the right application for your needs and budget.

Real time analysis during the various phases of coal production provides operators with significant opportunities for plant optimisation and quality control. Over the past two decades, online analysers have become a standard process control too in the coal industry. 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 experience R&D staff we make sure our customers will benefit from improvements and new developments.

IRONSCAN Model 1500 Natural Gamma Monitor

The Model 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.

List of Scantech Products

- COALSCAN Model 1500 On-belt Natural Gamma Ash Monitor
- COALSCAN Model 2100 & 2800 On-belt Ash / On-belt Ash and Moisture Monitors
- COALSCAN Model 9500X On-belt Elemental Analyser for Coal
- GEOSCAN™ On-belt Elemental Analyser for Cement or Minerals
- TBM 200 Series On-belt Microwave Moisture Monitor
- CIFA Model 350 Carbon In Fly Ash Monitor
- CM Model 100 On-belt Conductive Material Moisture Monitor
- IRONSCAN Model 1500 On-belt Natural Gamma Iron Ore Monitor
- MINERALSCAN Model 1500 On-belt Natural Gamma Minerals Monitor

Specifications

Dimensions & Weight	
Length	1.05 m
Width	0.63 m
Height	0.40 m
Weight	1285 kg

(including electronics control cabinet) excluding overbelt shield.

Specifications subject to change without notice.

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This analyser has proprietary patented technology covered by patents and patent applications.

REPRESENTATIVE

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