

Model 1500

ON-BELT NATURAL GAMMA ASH MONITOR



Coalscan Model 1500 Applications

Real time coal quality data provides active process control, with timely information on ash content to make decisions that maximise the value of the resource and minimise operating costs. Typical applications include:

- Mine grade control for rapid assessment of the coal being delivered to the stockpile or preparation plant;
- Measurement of ash in thick coal beds such as raw coal or plant feed conveyors;
- Preparation plant feedback control, installed after washery, to provide rapid feedback of washing process;
- Train load out control;
- Ideal for coal types with highly variable iron or calcium content.

Coalscan Model 1500 Advantages

- State-of-the-art technology;
- Low investment and maintenance costs;
- No radiation source;
- Configured to suit any belt size and load;
- Does not touch the coal or the conveyor belt;
- No sampling necessary during normal operation;
- Optional customized software output using SuperSCAN;
- Local technical support;
- Remote modem support.

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.



Coalscan Model 1500 Description

The COALSCAN Model 1500 measures the level of natural gamma radiation relating to potassium, thorium and uranium contained in the coal ash. Unlike other ash monitors in the COALSCAN range, Model 1500 contains *no radioactive source*.

The COALSCAN Model 1500 incorporates a large scintillation detector, which is mounted between conveyor idlers directly under the centre line of the belt. This detector is shielded from external radiation by a lead lining within the detector assembly, as well as an overbelt lead shield.

Note - ash precision depends on variability of ash composition; actual precision will be calculated for each 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	1.40 m
Weight	1285 kg (with electronic control cabinet) plus customised overbelt shield.

Specifications subject to change without notice.



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

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