

ON-BELT NATURAL GAMMA ASH ANALYSER



COALSCAN 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;
- Ideal for coal types with highly variable iron or calcium content.

COALSCAN 1500 Advantages

- Low investment and maintenance costs;
- No radiation source;
- Configured to suit any belt size and load;
- No contact with the material or the conveyor belt;
- No sampling necessary during normal operation;
- Optional SUPERSCAN display software;
- Local technical support;
- Support via remote connection.

COALSCAN 1500 Description

The COALSCAN 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, the 1500 contains no radioactive source.

The COALSCAN 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 – Precision is coal type dependent. Scantech will carry out test work on samples 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

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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

