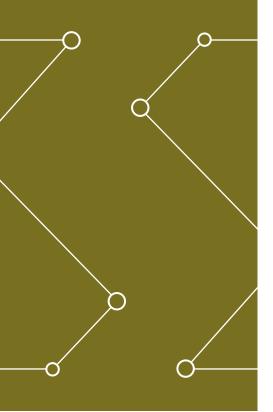# COALSCAN

1500

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.

SCANTECH
Process control specialists

ISO 9001
BUREAU VERITAS Certification
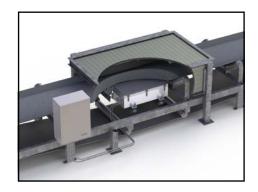
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COALSCAN

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.

Scantech's Analysers

Scantech provides the recycling, energy, mining, coal, steel and cement sectors with analysers for a wide range of applications and environments. Scantech can deliver online solutions that suit your process, reduce your operating costs and minimise Health, Safety and Environmental risks for your operations. Whether you need 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 production provides operators with significant opportunities for plant optimisation and quality control. Over the past three decades, Scantech analysers have become a standard process control tool in the resources and recycling sectors. Scantech analysers are a fundamental component of companies' digital technology strategies utilising real time measurement systems to enable core processes to become fully integrated, autonomous, remote and automated.

SCANTECH
Process control specialists

Scantech Products have Patented Technology & Registered Trademarks

Scantech Products

- **GEOSCAN GOLD Premium On-belt Elemental Analyser for Minerals**
- **GEOSCAN-M On-belt Elemental Analyser for Minerals**
- **IRONSCAN 1500 On-belt Natural Gamma Iron Ore Analyser**
- **MINERALSCAN 1500 On-belt Natural Gamma Minerals Analyser**
- **MINERALSCAN 2100 On-belt Density Analyser**
- **CM 200 On-belt Conductive Material Moisture Analyser**

- **GEOSCAN-R On-belt Elemental Analyser for Recycling**
- **TBM 280 Through Bale Moisture Monitor**
- **CM 200-R On-belt Conductive Material Moisture Analyser for Recycling**

- **BALZSCAN 9500X On-belt Elemental Analyser for Alternative Fuels**
- **BALZSCAN 2100 On-belt Ash Analyser for Alternative Fuels**
- **TBM 280 BaleScan Through Bale Moisture Monitor for Alternative Fuels**

- **GEOSCAN-C On-belt Elemental Analyser for Cement**
- **BLENDSCAN Process Control for the Cement Industry**
- **TBM 260 ReadiMoist Through Bin Moisture Analyser for Concrete**

- **GEOSCAN-S On-belt Elemental Analyser for Steel**
- **CM 200-S On-belt Conductive Material Moisture Analyser for Steel**

- **COALSCAN 9500X On-belt Elemental Analyser for Coal**
- **COALSCAN 1500 On-belt Natural Gamma Ash Analyser**
- **COALSCAN 2100 On-belt Ash Analyser**
- **CIFA 350 Carbon in Fly Ash Analyser**

- **TBM 210/220/230/240 Through Belt Moisture Analysers**
- **TBM 260 Through Bin Moisture Analyser**
- **SIZESCAN Particle Size Distribution 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.

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