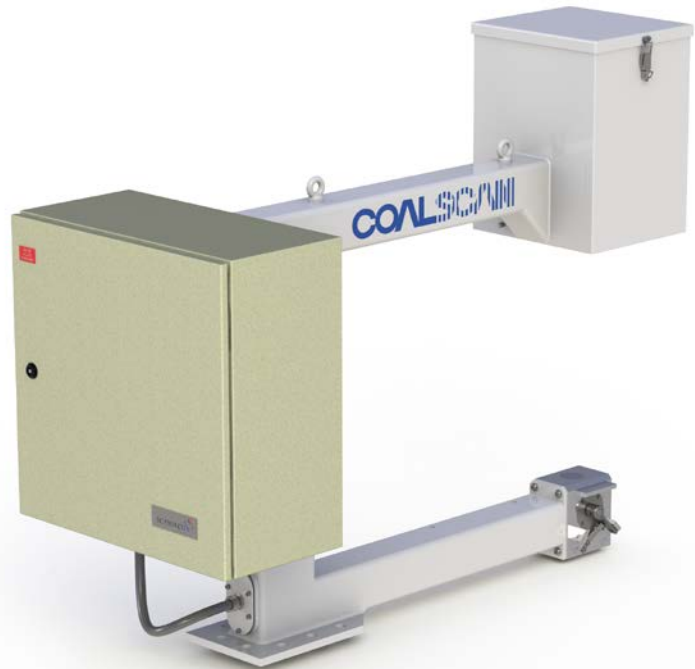# COALSCAN

2100

ON-BELT ASH ANALYSER

COALSCAN 2100 Applications

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

- Analysis of raw coal after crushing;

- Analysis of product coal between washery and stockpile or load-out bins;

- Analysis and blending control of coal during reclaim from stockpile, to ensure quality targets are met;

- Blending coals to take advantage of lower-cost, lower-quality coal whilst meeting specifications;

- Bypass applications where low ash coal bypasses the wash plant.

COALSCAN 2100 Advantages

- Low investment and maintenance costs;

- Simple installation;

- No contact with the material or the conveyor belt;

- Simple calibration;

- No sampling necessary during normal operation;

- Standard plant interfaces, including RS422 and Ethernet;

- IP65 (NEMA4) protection to suit typical plant conditions;

- Optional SUPERSCAN display software;

- Local technical support;

- Support via remote connection.

SCANTECH
Process control specialists

ISO 9001
BUREAU VERITAS Certification

BUREAU VERITAS
1828

COALSCAN

COALSCAN 2100
Description

The COALSCAN 2100 is a single enclosure designed to be installed directly on production conveyor belts.

The COALSCAN uses a dual gamma ray beam which passes through the entire bed of coal. The ratio of the two count rates from gamma ray beams is proportional to the ash content, independent of bed depth. This technology provides the most rapid measure of variations in coal quality.

The standard COALSCAN can be customised to suit plant requirements.

Options include:

• TBM Moisture Kit;

• Stainless steel electronics cabinet;

• SUPERSCAN display and reporting system;

• Customised plant interfaces;

• Customised frames for wider belts and higher tonnage applications.

COALSCAN 2100
with optional
TBM Moisture Kit

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 Measurement C Frame	
Length	0.60 m (0.86 m*)
Width	1.45 m
Height	1.16m
Weight	150 kg (170 kg*)
* with TBM Moisture Kit	
Specifications subject to change without notice.	

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