

### ON-BELT ELEMENTAL ANALYSER FOR COAL



#### COALSCAN 9500X Applications

Real time elemental analysis provides active control over coal quality, with timely information on ash, moisture, sulphur, energy content and elemental analysis to make decisions that optimise process control, maximise the value of the resource and minimise operating costs.

#### COALSCAN 9500X Technology

COALSCAN 9500X incorporates a proprietary detector array allowing simultaneous measurements in the individual detectors. This compound array overcomes the limitations of conventional, low efficiency detection systems. The COALSCAN 9500X spectrometer operates at much higher count rates than conventional systems, with lower pulse pile-up.

This innovation vastly improves the signal to noise ratio and spectral peak resolution. Extremely accurate results are provided, regardless of changes in coal type, bed depth and particle size.

#### COALSCAN 9500X Advantages

- Ultra-compact design. Installs between standard idlers;
- Conveyed flows for belts up to 2800mm wide and 1200mm deep;
- Static analysis of bulk bags up to 1200mm high;
- Quick & simple installation;
- No contact with material or conveyor belt;
- No sampling necessary during normal operation;
- No wear parts = low maintenance;
- Optional customised SUPERSCAN console;
- Interface to most process control systems;
- Remote and local technical support;
- No access restrictions around analyser.

## COALSCAN 9500X Description

The COALSCAN 9500X Coal Analysis System is a compact, fully integrated, single IP65 rated enclosure, which is installed on the conveyor and monitors the full flow of coal. There is no longer a need for routine samples to be taken and analysed. The COALSCAN 9500X provides real time information, with updates typically every two minutes, as well as cumulative averages for the current hour, shift or shipload.

This premium technology provides real time analysis of the important coal quality parameters for process control. The analyser is fully contained in the single, heavily shielded enclosure that contains the radioactive source, gamma-ray detection assembly and all electronics. Industry standard communication outputs are available for interface with any plant control system or with Scantech's SUPERSCAN output display system installed in any suitable remote location.



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## 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 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
- ReadMoist CM 200 On-belt Conductive Material Moisture Analyser
- GEOSCAN-R On-belt Elemental Analyser for Recycling
- ReadMoist TBM 280 Through Bale Moisture Monitor
- ReadMoist 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
- ReadMoist TBM 280 Through Bale Moisture Monitor for Alternative Fuels
- GEOSCAN-C On-belt Elemental Analyser for Cement
- BLENDSCAN Process Control for the Cement Industry
- ReadMoist TBM 260 Through Bin Moisture Analyser for Concrete
- GEOSCAN-S On-belt Elemental Analyser for Steel
- ReadMoist 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
- ReadMoist TBM 210/220/230/240 Through Belt Moisture Analysers
- ReadMoist TBM 260 Through Bin Moisture Analyser
- SIZESCAN Particle Size Distribution Analyser

## Specifications

### Dimensions & Weight

Length	1.00 m
Width	2.24 m
Height	2.04 m
Weight	2500 kg approx.

(Plus 1,200kg for shield extensions)

Specifications subject to change without notice.

Details shown for standard model. Large and Extra-Large sizes available.