

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;
- Three models cater for belts 600mm to 2400mm and bed depths to 530mm;
- 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.



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

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	1.00 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.

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