BALZSCAN

9500X

ON-BELT ELEMENTAL ANALYSER FOR ALTERNATIVE FUELS

BALZSCAN 9500X Applications

Real time elemental analysis allows active control over waste quality, with timely information on ash, moisture, sulphur, chlorine, energy content and other elements enabling operators to make decisions that optimise process control, maximise the value of the resource and minimise operating costs.

BALZSCAN 9500X Technology

BALZSCAN 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 BALZSCAN 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 material type, bed depth and particle size.

BALZSCAN 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 belt;
- No wear parts = low maintenance;
- No sampling necessary during normal operation;
- Can use belts with chlorine or steel cords;
- Optional SUPERSCAN console;
- Interface to most process control systems;
- Remote and local technical support;
- No access restrictions around analyser.

SCANTECH
Process control specialists

CERTIFIED ISO 9001

Website: www.scantech.com.au Email: sales@scantech.com.au

BALZSCAN 9500X Description

The BALZSCAN 9500X is a compact, fully integrated, single IP65 rated enclosure, which is installed on the conveyor and monitors the full flow of material such as alternative fuels.

There is no longer a need for routine samples to be taken and analysed. The BALZSCAN 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 quality parameters for process control. Critical parameters may include heavy metals at low but measurable concentrations. Scantech's high specification systems have measured Hg, Cd, and N with good accuracies at low concentrations.

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 customised SUPERSCAN output display system installed in any suitable remote location.

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 four 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

- 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
- ReadiMoist CM 200 On-belt Conductive Material Moisture Analyser
- GEOSCAN-Y Elemental Analyser for Slurry

- GEOSCAN-R On-belt Elemental Analyser for Recycling
- ReadiMoist TBM 280 Through Bale Moisture Monitor
- ReadiMoist 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
- ReadiMoist TBM 280 Through Bale Moisture Monitor for Alternative Fuels

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

- GEOSCAN-S On-belt Elemental Analyser for Steel
- ReadiMoist 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

- ReadiMoist TBM 210/220/230/240 Through Belt Moisture Analysers
- ReadiMoist 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.	

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