

## 1500

### ON-BELT NATURAL GAMMA MINERALS ANALYSER



#### MINERALSCAN 1500 Advantages

- State-of-the-art technology;
- Low investment and maintenance costs;
- Simple installation;
- Configured to suit any belt size and load;
- No contact with the material or the conveyor belt;
- No sampling necessary during normal operation;
- Standard plant interfaces, including RS422 and Ethernet;
- IP65 (NEMA4) protection to suit typical plant conditions;
- Optional customised software output using SUPERSCAN;
- Local technical support;
- Support via remote connection.

#### MINERALSCAN 1500 Applications

- Real time ore quality data provides active process control, with timely information on ore quality to make decisions that maximise the value of the resource and minimise operating costs. Typical applications include:
- Prompt feedback to mining faces on waste and contamination;
  - Monitor run-of-mine ore grade prior to stockpiling;
  - Monitor run-of-mine feed to the processing plant;
  - Monitor product quality to ensure plant operation is optimized;
  - Ensure product meets specification;
  - Suitable for uranium ores, potash and other materials.

## MINERALSCAN 1500 Description

The MINERALSCAN 1500 measures the natural radiation from ores and concentrates. A feature of many ores and associated rocks is that they usually contain trace amounts of potassium, thorium and uranium. Within any individual ore deposit, the absolute amount of these elements usually varies in direct proportion to the amount of different constituents of the ore. By using a sensitive detector, combined with careful screening of the detector to exclude other natural radiation such as solar and terrestrial radiation, the Natural Gamma Monitor can determine the concentration of the target elements with a suitable precision for many applications. The Monitor contains no radioactive source.

Note – Precision is entirely ore type dependent. Scantech will carry out test work on samples of ore 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 Products have  
Patented Technology &  
Registered Trademarks

### ADELAIDE OFFICE

PO Box 64 Unley  
South Australia 5061  
AUSTRALIA  
Tel: +61 8 8350 0200  
Fax: +61 8 8350 0188

### BRISBANE OFFICE

PO Box 1485 Springwood  
Queensland 4127  
AUSTRALIA

## 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 ReadMoist 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.