

## Model 2800

### ON-BELT ASH AND MOISTURE MONITOR



#### COALSCAN Model 2800 Applications

Real time coal quality data provides active process control, with timely information on ash and moisture, 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;
- Analysis of coal on delivery to power stations and steel plants, to monitor contract compliance and optimise coal use;
- Blending coals to take advantage of lower-cost, lower-quality coal whilst meeting specifications;
- Analysis of coal at power stations to optimise boiler-feed quality.

#### COALSCAN Model 2800 Advantages

- State-of-the-art technology;
- Low investment and maintenance costs;
- Simple installation;
- Suits most belt sizes and loads;
- Does not touch the coal 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 customised software output using SuperSCAN;
- Local technical support;
- Remote modem support.

## 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, or energy content we have the right application for your needs and budget.

Real time analysis during the various phases of coal production provides operators with significant opportunities for plant optimisation and quality control. Over the past two decades, online analysers have become a standard process control tool in the coal industry. 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.



## COALSCAN Model 2800 Description

The COALSCAN Model 2800 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. One gamma ray measures the total ash content, the other compensates for changes in bed depth. Microwave technology measures the moisture content.

The standard COALSCAN can be customised to suit plant requirements.

Options include:

- Stainless steel electronics cabinet;
- SuperSCAN display and reporting system;
- Customised plant interfaces;
- Customised frames for wider belts and higher tonnage applications.

## List of Scantech Products

- COALSCAN Model 1500 On-belt Natural Gamma Ash Monitor
- COALSCAN Model 2100 & 2800 On-belt Ash / On-belt Ash and Moisture Monitors
- COALSCAN Model 9500X On-belt Elemental Analyser for Coal
- GEOSCAN™ On-belt Elemental Analyser for Cement or Minerals
- TBM 200 Series On-belt Microwave Moisture Monitor
- CIFA Model 350 Carbon In Fly Ash Monitor
- CM Model 100 On-belt Conductive Material Moisture Monitor
- IRONSCAN Model 1500 On-belt Natural Gamma Iron Ore Monitor
- MINERALSCAN Model 1500 On-belt Natural Gamma Minerals Monitor

## Specifications

Dimensions & Weight	
<b>Length</b>	0.85 m
<b>Width</b>	1.50 m
<b>Height</b>	1.24 m
<b>Weight</b>	325 kg

Specifications subject to change without notice.



This analyser has proprietary patented technology covered by patents and patent applications.

### ADELAIDE OFFICE

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

### BRISBANE OFFICE

PO Box 458 Salisbury  
Queensland 4107  
AUSTRALIA  
Tel: +61 7 3710 8400  
Fax: +61 7 3275 3964

### REPRESENTATIVE

