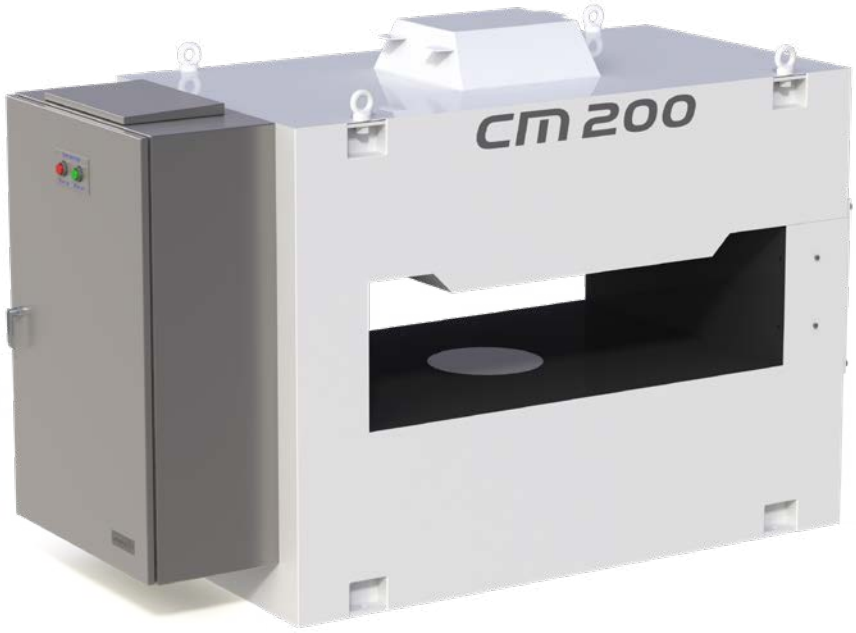
ReadiMoist CM 200

ON-BELT CONDUCTIVE MATERIAL MOISTURE ANALYSER



CM 200 Applications

Real time quality data provides active process control, with timely information on moisture to make decisions that optimise the process and minimise operating costs. The Conductive Materials Moisture Monitor system is designed for ease of installation around a conveyor belt. The monitor measures moisture through direct, continuous, fully penetrative measurement.

Typical applications include:

- TML monitoring during loading operations;
- Improved plant blast furnace temperature stability;
- Optimisation of blast furnace output;
- Improved slag silica: iron ratio;
- Improved plant efficiency;
- Reduction in coke consumption;
- Suitable for coke, iron ore, sinter, and other conductive materials.

CM 200 Advantages

- State-of-the-art-technology;
- Continuous, representative total moisture measurement;
- Low maintenance costs;
- Measures on materials unsuitable for other techniques;
- Configured to suit most belt sizes and loads;
- No contact with material or conveyor belt;
- No sampling necessary during normal operation;
- No external isolation zone;
- Optional customised software output using SUPERSCAN;
- Local technical support;
- Remote technical support.

SCANTECH
Process control specialists

CERTIFIED ISO 9001 BUREAU VERITAS

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CM 200

CM 200 Description

The determination of moisture in materials involved with production processes is vitally important, particularly in the steel and smelting industries. Sampling and laboratory facilities are expensive to operate and maintain, and yield results which can be many hours old, so do not represent current operating conditions. Online real time moisture measurement results are generated every two minutes, providing major benefits. The feed to a blast furnace should be optimised using dry weights.

However, due to the production and storage methods employed, coke, conductive or magnetic materials, or concentrates can be delivered at a variety of moisture contents. To date, the accurate measure of moisture in those materials has not been possible directly on the conveyor belt. Operators may make continuous adjustments to compensate for the moisture content, ensuring an accurate dry weight charging of the blast furnace. Coke and metal concentrates have conductive properties, and also highly magnetic materials, are not suitable for traditional methods of on-line microwave moisture measurement techniques.

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

- **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-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	1.50 m
Weight	1420 kg

Specifications subject to change without notice.

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

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