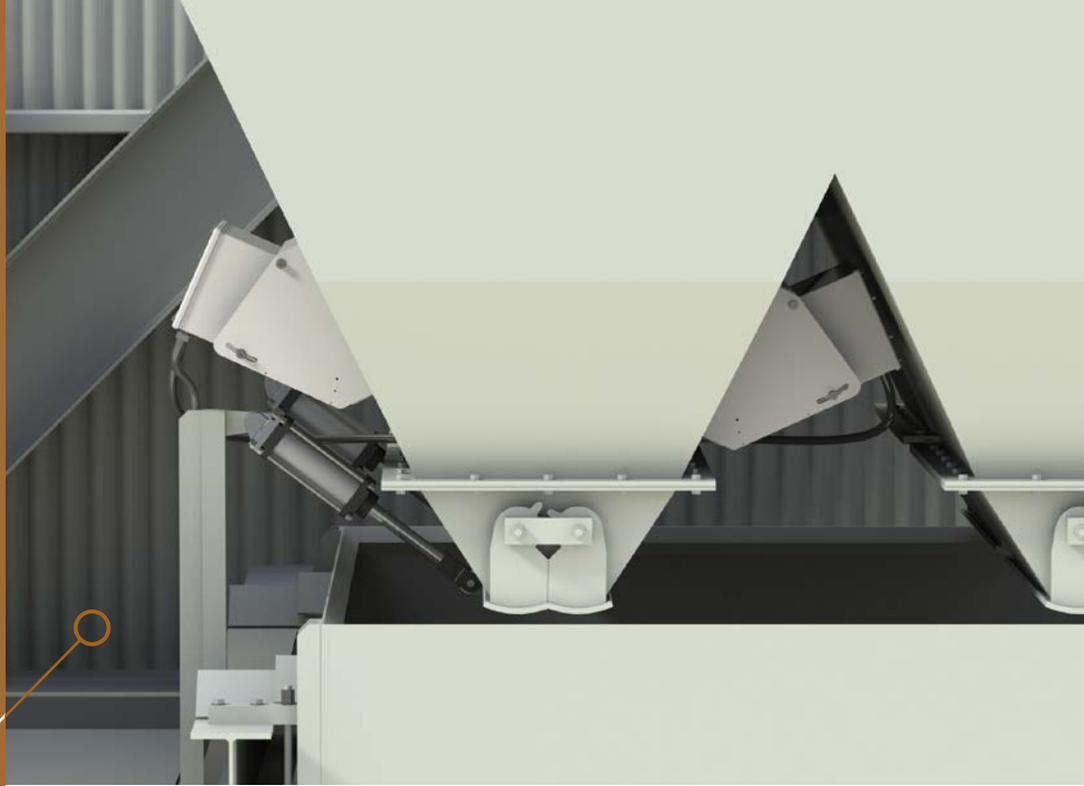


TBM 260

THROUGH BIN MOISTURE ANALYSER



What is the TBM 260?

The TBM 260 installs on material bins at a variety of plants to accurately measure moisture content as the material flows through the bin. In the alternative fuels industry, it allows for control and reduction of energy losses.

For the best results, our microwave technology measures moisture directly in a bin and rapidly provides moisture data to the control system to allow real time adjustments to the process.

Accurate moisture measurement can improve the consistency and quality of your material, the efficiency of your process, and provide significant cost savings.

TBM 260 Advantages

- Immediate cost savings by reducing energy consumption when used in the alternative fuels industry
- Accurate moisture analysis of large material volume
- Removes the need for routine sample collection
- Allows automatic batch control
- Does not penetrate into bin or obstruct material flow
- Flexible plant interface options
- Patented state-of-the-art digital microwave technology
- Industrially proven
- Extremely reliable and low maintenance
- PC-based with remote access for prompt support



TBM 260 Description

The TBM 260 comprises of microwave antennae and an electronics cabinet. The antennae are attached to either side of the bin near the clamshell gates. A low frequency microwave beam is transmitted through ~1 metre of falling material in the bin. Digital measurement of microwave group delay and attenuation allows precise moisture analysis every second.

Microwave windows and antenna brackets are supplied for easy installation on the bin. The microwave beam interrogates a large volume of material (typically about 60 litres) which greatly reduces errors caused by moisture heterogeneity.

An industrial PC calculates results, saves data and interfaces to the plant. A wide range of plant interface options are available using industry standard interface modules.

When applicable, a 'gate open' signal from the plant triggers moisture analysis while the material drops to ensure synchronisation with batch process activities.

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-M On-belt Elemental Analyser for Minerals**
- **IRONSCAN 1500 On-belt Natural Gamma Iron Ore Analyser**
- **MINERALSCAN 1500 On-belt Natural Gamma Minerals Analyser**
- **CM100 On-belt Conductive Material Moisture Analyser**

- **GEOSCAN-R On-belt Elemental Analyser for Recycling**
- **TBM 280 Through Bale Moisture Monitor**

- **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 100-S On-belt Conductive Material Moisture Analyser**

- **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**



SCANTECH
Process control specialists

Scantech Products have
Patented Technology &
Registered Trademarks

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