

# Microwave Moisture Analyzer

This analyzer is used for real-time online moisture detection of bulk materials transported on a belt. It is also suitable for real-time online moisture detection of bag material on belt or roller transportation and can be integrated into system equipment.



## Overview

### Precision Moisture Analysis

The Microwave Moisture Analyzer provides non-contact, real-time measurement of moisture content across a wide variety of non-conducting materials. By utilizing advanced microwave technology, it eliminates the need for radioactive sources while maintaining high accuracy regardless of material color, temperature, or particle size. This system is designed for robust performance in industrial settings, offering rapid sampling rates and low maintenance requirements.

## Key Features

### Safety Compliance

Non-radioactive • Low emission energy

### Measurement Technology

Non-contact, Microwave-based, Real-time, High anti-interference

## Performance Metrics

### Sampling Rate

**1  $\mu$ s**

Sampling Speed

## Applications

### Supported Industries

- Coal & Mining
- Steel Industry (Sintering)
- Textile Industry
- Agriculture & Grain
- Bio-fuels
- Chemical Production

### Compatible Materials

Category	Examples
Industrial	Coal, Fertilizer, Sand
Textile	Fiber bundles, Cotton bags
Grain/Food	Wheat, Rice, Corn, Sugar
Bio-fuel	Bagasse, Wood dust, Wood chips