

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 μ 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 |