

The **Moistscan MA-500** has been designed to be simple to install and affordable. It has the ability to be more accurate than conventional labour intensive techniques but also provide real-time information. Moisture results are continually updated every minute to enable control room operators to make the necessary adjustments that will optimize their process.

# MA-500



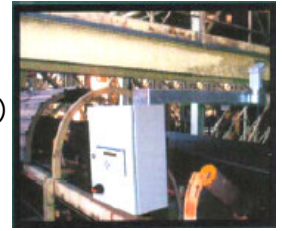
## FEATURES

### Features:

- No traditional sampling required. No preparation and analysis of samples
- Rapid real time results.
- Easy to install and commission. Commissioning typically takes 20 minutes following the commissioning manual
- Moisture analyser can be supplied, set-up and calibrated in the factory. This eliminates the need to mobilise specialists to assist in commissioning and calibration.
- Simple industry standard interfacing

# Operational

# MA-500



- Conveyor width
- Conveyor speed
- Material top size
- Bed depth range
- Moisture range
- Measurement time
- Instrument precision

Typically up to 1400mm as standard  
 (Over 1400mm requires customised C-frame)  
 No limit  
 Up to 500mm, typically  
 20 - 500mm depending on material  
 0-80%  
 Typically 1 minute, user selectable  
 Typically  $\pm 0.3$  per cent at 1 standard deviation  
 (some applications achieve  $\pm 0.1$  per cent)

## Electrical Requirements

- At Electronics Control Cabinet

240 volt, single phase, 2 amp supply (optional 110 vlt supply)

## Environmental Requirements

- Operating Temperatures
- Humidity

0-45°C with protection from direct sun and rain  
 0-95% relative humidity (non condensing)  
*Note: All units are protected against dust and moisture to IP 65 rating.*

## Applications

Coal, bauxite, wood flake, sugar, bagasse, sand, mineral sands, food, chemicals, etc...

## Outputs from the Moisture Monitor

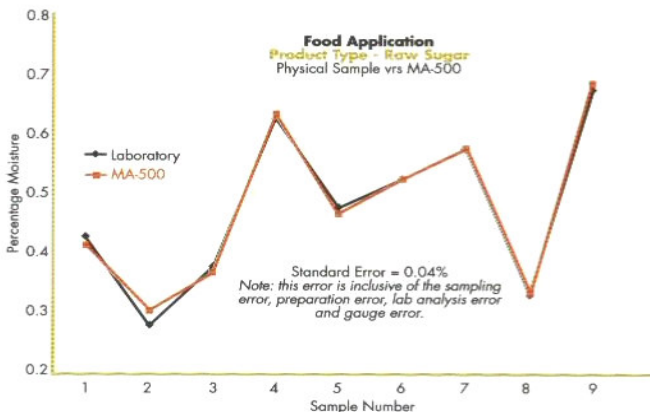
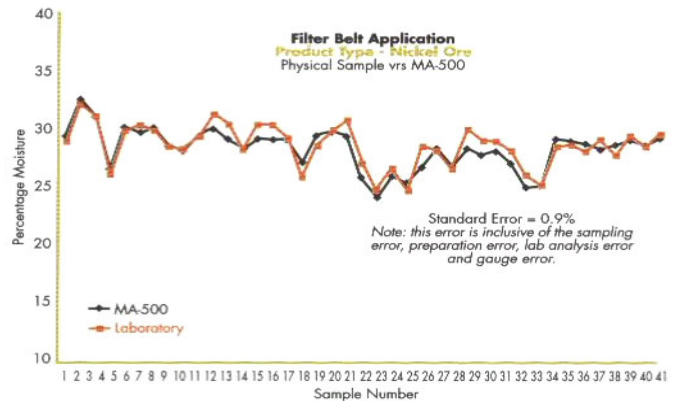
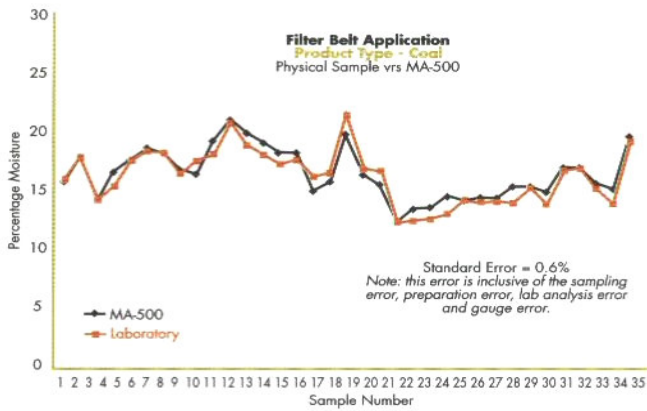
- Instantaneous Moisture
- System Running

Isolated 4-20mA current loops indicating the rolling average of moisture content over any accumulated time period  
 Relay closure indicating that no alarm conditions exist

## Shipping weight

150Kg

*Patented pending. Specifications subject to change without notice!*



DATE	TIME	INST.MOIST	AVG.MOIST
6/11/02	15:18	12:00	12:00
6/11/02	15:19	12:20	12:10
6/11/02	15:20	13:00	12:40
6/11/02	15:21	12:59	12:45
6/11/02	15:22	12:60	12:48
6/11/02	15:23	12:75	12:52
6/11/02	15:24	13:00	12:59
6/11/02	15:25	12:90	12:63
6/11/02	15:26	13:30	12:70
6/11/02	15:27	13:20	12:75
6/11/02	15:28	13:55	12:83
6/11/02	15:29	13:23	12:86
6/11/02	15:30	13:10	12:88

### Moisture Readings

Date: 11/06/2002 3:10:19 PM

Display Graph Display 15 min Avg Read MODBUS Close  
Display Inst. Moisture Diagnostics Check data