



• PB • OSB • MDF



ON-LINE INFRARED MOISTURE METER

UM700

TO MEASURE THE AMOUNT OF MOISTURE CONTAINED IN A VARIETY OF PRODUCTS

The UM700 is an infrared photometric analyser which uses fixed near infrared wavelengths to measure the amount of moisture contained in a variety of products. The system is based on the capacity of the materials to absorb certain wavelengths of infrared radiation.

The UM700 is a "stand-alone" sensor for the on-line monitoring of moisture content. Optional wall-mountable or hand-held operator interfaces are available for setup, calibration and maintenance.

MAIN FEATURES

- Unaffected by light or material height
- No contact analysis
- No auxiliary signal processors needed for signal processing
- Dual analog output
- Versatile interface through RS 485 communication
- On-line moisture monitoring possible with analogue signal to remote PC
- Pre-set factory calibration
- Easy to install.

ADVANTAGES

- The on-line monitoring of the moisture content may be used to perceive variations in the production process
- The data saved may be used to provide an historical moisture trend.



TECHNICAL DATA

MOISTURE RANGE	Min. 0 - 0.1% - Max. 0 - 95%
ACCURACY	± 0.5% of calibrated range
REPEATABILITY	± 0.5% of calibrated range
STABILITY	Requires 1 calibration a year
MAX OPERATING AMBIENT TEMPERATURE WITH COOLER KIT	55 °C
SENSOR DISTANCE FROM SAMPLE SURFACE	From 150 to 350 mm
AREA SAMPLED	75 cm ² standard
POWER	90/260 V - 50/60 Hz
OUTPUT	4 - 20 mA - RS485 - optional 0 - 10 V
DIMENSIONS	406 x 152 x 178 mm (L x W x D)
WEIGHT	10.8 kg
PROTECTION	IP65 CEI EN 60529