



## BALED PAPER PORTABLE MOISTURE METER DC-2000-BP model

The Portable Humidimeter model DC-2000-BP measures the resistance to the passage of direct current in the paper for recycling in the form of bullets and translates these measurements into Moisture Content.

## PORTABLE MOISTURE METER DC-2000-BP model

### GENERAL INFORMATION

The **Portable Humidimeter model DC-2000-BP** uses a **Micro-Controller** to obtain accurate readings of resistance to the passage of DC current, translates it into a reading of moisture content, and displays the results on the Liquid Crystal Display.

Since the housing of the equipment is made of hard injection plastic, it will hold up well even in the worst conditions of use, however, since it is a precision electronic equipment, it must be kept dry and clean.

The equipment has been designed and calibrated to take moisture content readings from bales of recycled paper. The Moisture Meter directly measures moisture content ranging from **5% to 25%**.

These moisture readings have been obtained from a calibration curve determined through the performance of numerous tests with different masses of paper. Since different types of paper can be found in stacks of paper, the packing pressure may be different, and the contact between the sample and the probe is only at one point, great precision cannot be expected, especially in individual trials. Therefore, it is advisable to carry out several tests on the same stack of paper and take the average of all the results obtained.

The equipment is especially good, detecting inside the paper stack areas with high moisture content that are not visible from the outside. With it you can also easily detect the humidity gradient of normally dry, fairly humid or definitely wet bales of paper.

The supplied electrode is 127mm long and 6.4mm in diameter with a rounded tip, constructed of stainless steel and Teflon® and Delrin® Plastics for high quality insulation and corrosion free.

The cost of this equipment is quickly amortized, since it quickly detects the humidity of the bales of paper, and avoids paying paper prices for water content.

**Optionally**, a nylon bag can be supplied for the transport and conservation of the instrument and a practical Calibration Standard that ensures measurement precision.

- **Humidity Measurement Range: 5 to 25%**
- **Accuracy:  $\pm$  0.25%**
- **Penetration probe length: 127 mm**
- **Probe diameter: 6.4 mm**
- **DC Resistance: 100,000 to 0.02 Megaohms**



- Microprocessor with large L.C.D. Display
- Portable and lightweight (<500 g)
- Standard Battery Powered
- Complete, with Battery, Electrode and User Manual

#### CONTENTS OF THE STANDARD SUPPLY:

- \* Portable Moisture Meter for paper bullets model DC-200-BP