Marrari
AUTOMAÇÃO

DATASHEET
HANDHELD METER · MULTI-PURPOSE
EN

M71

Multi-purpose moisture meter

For flat-surface materials: paper, wood panels, mats and other organics. One recipe per material, up to 20 stored in the meter.



3–30%	0.1%	20	5,000
measuring range (wet basis)	resolution	programmable recipes	readings in memory

01 WHY USE IT

One meter for many flat materials.

Paper, panels and mats

Measures any flat organic material, with the right recipe.

Instant reading

Choose the recipe, place the sensor and read moisture on the display.

Data in Umidata

Up to 5,000 readings in 100 batches, with Excel or PDF reports.

02 HOW IT WORKS

The M71 uses the **dielectric method**. Before measuring, you create a **recipe**, the measuring function for each material. Accuracy depends on the material and the recipe.

1. **Create the recipe**
   Build the material's measuring function, preferably in Tracker.
2. **Select the recipe**
   Choose one of the 20 stored recipes.
3. **Place the sensor**
   Rest the sensor on the flat sample.
4. **Read and log**
   Moisture shows on the display and goes into the open batch.

ADJUSTMENT

One recipe per material

The adjusted parameter is the recipe. Preferably, use the Tracker software.

- Bits × moisture correlation (AM1 to AM5)
- Wet basis (w.b.) or dry basis (d.b.)
- Offset (AJT) for an existing recipe
- GCV and hydrogen content for NCV

03 SPECIFICATIONS



Technical data

Measuring range	3 to 30% (wet basis) or 3 to 42.86% (dry basis)
Resolution	0.1%
Accuracy	Depends on the material
Recipes	20 programmable
Memory	Up to 5,000 readings · up to 100 batches
Display	2.2" backlit LCD
Temperature	Operation up to 70 °C, automatic compensation

Mechanical data

Dimensions	160 × 80 × 30 mm

For · Pulp and paper · Wood panels · Mats · Other flat organics

04 BATTERY, SOFTWARE AND SERVICES

Battery
Li-polymer 3.7 V · 1,800 mAh
20 h of use and 5 h to recharge. Use only the charger supplied by Marrari (100–240 Vac, 5 V · 1 A output).

Umidata
Data software
Organizes readings by batch and date and creates moisture reports in Excel or PDF.

Tracker
Recipe adjustment
Statistical software that tunes recipes with lab results and lowers the average error.

Yearly maintenance
Performed by Marrari
Software update and check against Marrari standards, once a year. Recommended for users: weekly zeroing and cleaning, update recipes whenever the material changes, and yearly calibration at Umilab.

Umilab
Calibration and testing
Calibration certificate by the Umilab laboratory: umilab@marrari.com.br.

Warranty
6 months
Made in Brazil, with support and training from the after-sales team: posvendas@marrari.com.br.

General specifications

Method	Dielectric	Software	MUG_71 V2.51.01
Range	3 to 30% (w.b.) · 3 to 42.86% (d.b.)	Battery life	20 h · 5 h recharge
Resolution	0.1%	Accessories	Charger and USB cable for PC
Accuracy	Depends on the material	Documents	M71 manual V4.50e · Annex 05.a
Recipes	20 programmable	Data software	Umidata · tuning in Tracker