Marrari
AUTOMAÇÃO

DATASHEET
HANDHELD METER · BIOMASS AND GRANULAR
EN

M75

Moisture meter for biomass and granular materials

Fill the bucket, without packing or shaking, and read moisture right away. The M75 also estimates the sample's net calorific value.



3–70%	±2 p.p.	35 L	14 h
measuring range (wet basis)	on process wood chips	sample per reading	continuous battery life

01 WHY USE IT

Are you paying for biomass or for water?

Buy by dry weight
Moisture and NCV at the gate, so each load is priced on what it delivers.

10 ready recipes
Sawdust, chips, bark, bagasse and other materials preset, plus 10 programmable.

Reports in Umidata
Up to 5,000 readings in 100 batches, with moisture and NCV reports.

02 HOW IT WORKS

The M75 uses the **dielectric method**, with the sensor at the center of a **35-liter** bucket. It works for biomass, wood chips, sawdust, harvest residue, sugarcane bagasse, yerba mate, animal feed and more.

1. **Choose the recipe**
One of the 10 presets or a programmed one.

2. **Fill the bucket**
Fill all 35 L, without packing or shaking.

3. **Read right away**
Moisture and NCV show on the display.

4. **Download**
Batches go to Umidata, which builds the reports.

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 70% (wet basis) or 3 to 150% (dry basis)
Resolution	0.1%
Accuracy	Process chips ±2 p.p. · biomass ±3 p.p.
Recipes	10 preset + 10 programmable
Memory	Up to 5,000 readings · up to 100 batches
Display	3.4" backlit graphic LCD
Temperature	Operation up to 70 °C, automatic compensation

Mechanical data

Capacity	35 liters of material
Weight	5.2 kg

Recipes · Sawdust · Wood chips · Bark · Sugarcane bagasse · Peanut

04 BATTERY, SOFTWARE AND SERVICES

Battery
Li-polymer 3.7 V · 2,600 mAh
14 h of use and 5 to 6 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 and NCV 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
Traceable 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, 35 L bucket	Software	MUG_75 version 5.50
Range	3 to 70% (w.b.) · 3 to 150% (d.b.)	Battery life	14 h · 5 to 6 h recharge
Resolution	0.1%	Accessories	Charger, USB cable and backpack
Accuracy	±2 p.p. chips · ±3 p.p. biomass	Documents	MUG-M75 manual V5.00 · Annex 05.a
Estimate	Net calorific value (NCV)	Supply	Made and serviced exclusively by Marrari