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MOISTURE ANALYZERS

LABORATORY BALANCES

FAMO100 Laboratory Moisture Analyzer

110 g Capacity | 1 mg Readability | 0.01% Moisture Readability | 50–180°C | Automatic Lifting

FAMO100 is a compact laboratory moisture analyzer for routine moisture determination and dry weighing workflows. It combines a high-quality load cell, quartz IR heating, LCD touch-screen operation and rapid stabilization for practical day-to-day laboratory analysis.

110 G

1 MG

0.01% MOISTURE

50–180°C

Ø90 MM PAN

LCD TOUCH SCREEN

QUARTZ IR HEATING

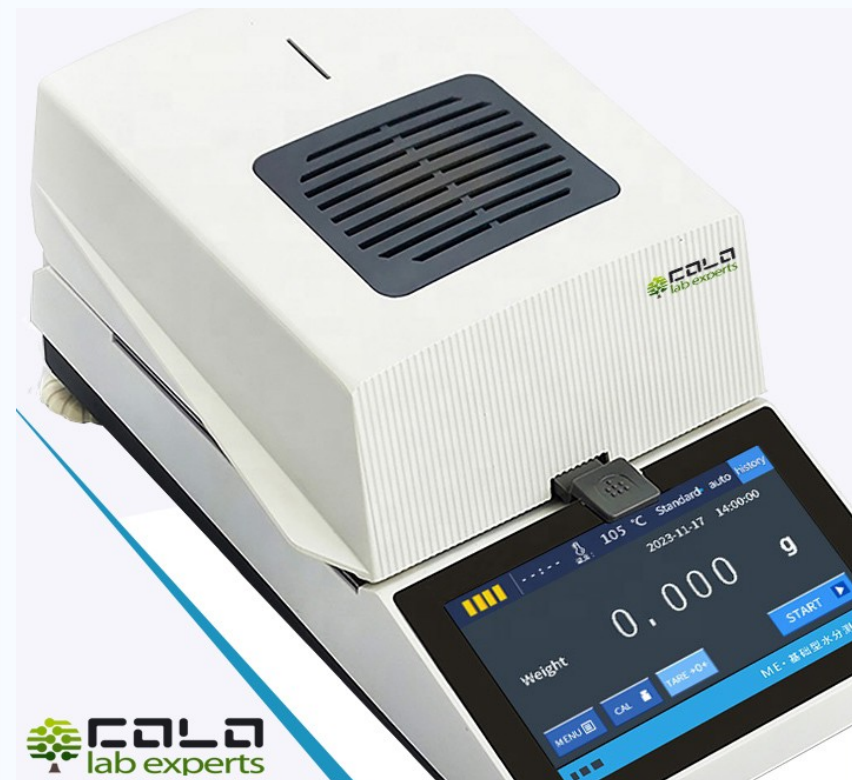
Document type: **Technical Specification Sheet**

Product family: **FAMO100**

Measurement principle: **Moisture determination / dry weighing determination**

Calibration: **External**

Format: **A4 landscape | COLO.Science TechSpec v2.5**



FAMO100 laboratory moisture analyzer | quartz IR heating | touch screen

RANGE

**110 g
d = 1 mg**

ADDRESS / HQ

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SI-3255, Slovenia**

CONTACT

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FAMO100 laboratory moisture analyzer

Compact moisture determination and dry weighing with touch-screen control

MAX 110 G
D = 1 MG
0.01%
50–180°C
Compact laboratory moisture and dry-content analysis

Series Overview

Moisture measurement platform

Measurement modes: moisture determination and dry weighing determination.

1 mg readability: records the initial sample mass and mass loss during drying.

0.01% moisture readability: fine result resolution for routine laboratory work.

Heating range: adjustable from 50°C to 180°C in 1°C steps.

Data handling and connectivity

Heating program: adjustable drying time from 0 to 99 minutes in 1-minute intervals.

Interface: standard RS232C; USB connection available as an option.

Displayed results: moisture %, solid %, weight, time and measurement data.

Construction and operation

Quartz IR heating: controlled drying with an integrated infrared heating lamp.

Sample pan: Ø90 mm.

Touch control: backlit LCD touch screen for direct workflow operation.

Calibration: external calibration of the weighing system.

Moisture measurement process

1. Weigh

Record initial sample mass.

2. Heat

Apply selected temperature.

3. Monitor

Track mass loss continuously.

4. Result

Calculate moisture content.

MODELS

FAMO100

READABILITY

1 mg

MOISTURE

0.01%

TEMPERATURE

50–180°C

Model Selection and Technical Specifications

FAMO100 model and performance table

Model	Capacity	Division	Minimum sample	Advised sample	Moisture rate	Calibration	Sample pan
FAMO100	110 g	0.001 g / 1 mg	0.5 g	2–50 g	0.01%	External	Ø90 mm

Weighing and moisture system

Parameter	Specification
Instrument type	Laboratory moisture analyzer, touch-screen model
Principle	Moisture determination / dry weighing determination
Capacity	110 g
Weighing readability	0.001 g / 1 mg
Moisture readability	0.01%
Minimum sample weight	0.5 g
Advised sample weight	2–50 g
Moisture range	0–100%
Dry weighing range	100.00%–0%
Calibration	External

Heating, display and communication

Parameter	Specification
Temperature range	50°C–180°C
Sample pan	Ø90 mm
Display	Backlit LCD touch screen
Control interface	LCD touch screen
Mechanical handling	Quartz IR heating lamp; Pt100 temperature sensor
Communication	RS232C standard; USB optional
Displayed content	Moisture %, solid %, weight, time and measurement data
Heating time	0–99 min, 1 min interval
Temperature step	1°C
Power supply	AC 110–240 V, 50/60 Hz; DC 5 V–2 A
Dimensions	325 × 195 × 195 mm
Net / gross weight	2.3 / 3 kg

Source note: product data were transcribed from the supplied FAMO100 specification. Interface and accessory compatibility should be confirmed in the approved quotation.

Applications, Calibration and Optional Accessories



FAMO100 | compact quartz IR moisture analysis platform

Typical laboratory applications

Food and ingredients: routine moisture checks for raw materials and finished products.

Agriculture: grains, feed and other agricultural samples.

Pharmaceutical and chemical work: process verification and quality control.

Powders, polymers, paper and textiles: method-based moisture determination.

Laboratory development: establish suitable temperature and stop criteria for each sample.

Optional accessories



Optional thermal printer for compatible measurement records



Optional OIML F1 weights for external calibration and control

Ordering note: confirm selected capacity, calibration-weight nominal value, printer compatibility, communication interface, software scope and documentation requirements before ordering.

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Selection guidance: send the sample type, expected sample mass, test temperature, reporting requirement and preferred capacity.

QUICK CONTACT**Web:** colo.si**Email:** sales@colo.si**Phone:** +386 70 713 437**Series:** FAMO100 laboratory moisture analyzer**COLO.SCIENCE | FAMO100 LABORATORY MOISTURE ANALYZER SUPPORT****Need help configuring a FAMO100 laboratory moisture analyzer?**

Send the sample type, sample mass, required temperature range, data-output requirement and documentation expectations. COLO.Science can confirm the FAMO100 configuration, printer and suitable F1 calibration weight.

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