Colo Science
Laboratory & Scientific Equipment

COLO.SCIENCE | TECHNICAL SPECIFICATION

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MOISTURE ANALYZERS | LABORATORY BALANCES

FAMO500 Full Automatic Professional Moisture Analyzer Series

110 / 210 g Capacity | 1 mg Readability | 0.01% Moisture Readability | 40–230°C | Automatic Lifting

FAMO500 and FAMO501 are professional thermogravimetric moisture analyzers for controlled Loss on Drying analysis. The integrated weighing and heating system combines 1 mg weighing readability with a 7-inch high-resolution true-color capacitive touch screen, automatic lifting and software-supported data collection.

110 / 210 G | 1 MG | 0.01% MOISTURE | 40–230°C | Ø100 MM PAN

7-INCH TOUCH SCREEN | AUTOMATIC LIFTING

Document type: **Technical Specification Sheet**
Product family: **FAMO500 / FAMO501**
Measurement principle: **Thermogravimetric Loss on Drying**
Calibration: **External**
Format: **A4 landscape | COLO.Science TechSpec v2.5**

FAMO500 professional moisture analyzer | touch screen | automatic lifting

RANGE	ADDRESS / HQ	CONTACT
110 / 210 g **d = 1 mg**	**Polje ob Sotli 4** **SI-3255, Slovenia**	**sales@colo.si** **+386 70 713 437**

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FAMO500 / FAMO501 professional moisture analyzer series

Integrated weighing, heating, automatic lifting and touch-screen control

MAX 210 G | D = 1 MG | 0.01% | 40–230°C | **Professional thermogravimetric moisture analysis**

Series Overview

Moisture measurement platform

Loss on Drying: controlled thermogravimetric moisture 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 40°C to 230°C.

Data handling and connectivity

Software support: data collection, communication and measurement-process control.

Interfaces: USB plus serial communication for compatible equipment.

Process monitoring: direct visual control of the complete analysis.

Construction and operation

Automatic lifting: convenient access to the heating chamber and sample pan.

Sample pan: Ø100 mm.

Touch control: 7-inch high-resolution true-color capacitive screen.

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	READABILITY	MOISTURE	TEMPERATURE
FAMO500 / 501	**1 mg**	**0.01%**	**40–230°C**

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Model Selection and Technical Specifications

FAMO500 series model table

Model	Capacity	Weighing readability	Moisture readability	Repeatability	Linearity	Calibration	Sample pan
FAMO500	110 g	0.001 g / 1 mg	0.01%	±0.2 mg	±0.2 mg	External	Ø100 mm
FAMO501	210 g	0.001 g / 1 mg	0.01%	±0.2 mg	±0.2 mg	External	Ø100 mm

Weighing and moisture system

Parameter	Specification
Instrument type	Full automatic professional moisture analyzer
Principle	Thermogravimetric Loss on Drying
Capacity	110 g / 210 g, depending on model
Weighing readability	0.001 g / 1 mg
Moisture readability	0.01%
Repeatability	±0.2 mg
Linearity	±0.2 mg
Calibration	External

Heating, display and communication

Parameter	Specification
Temperature range	40°C–230°C
Sample pan	Ø100 mm
Display	7-inch high-resolution true-color LCD
Control interface	Capacitive touch screen
Mechanical handling	Automatic lifting mechanism
Communication	Serial communication and USB interface
Software	Data collection, communication and measurement-process control

Source note: product data were transcribed from the supplied FAMO500 specification. Interface and accessory compatibility should be confirmed in the approved quotation.

Applications, Calibration and Optional Accessories

FAMO500 | controlled heating and continuous mass-loss monitoring

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.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

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: FAMO500 / FAMO501 moisture analyzer

COLO.SCIENCE | FAMO500 MOISTURE ANALYZER SUPPORT

Need help configuring a FAMO500 moisture analyzer?

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

MAIN PRODUCT NAVIGATION

Testing Equipment | Moisture Analyzers

RELATED LABORATORY CATEGORIES

Laboratory Balances | Calibration Weights | Laboratory Testing Equipment

QUOTE & TECHNICAL SUPPORT

Request a Quote | Contact COLO.Science team