Halogen Moisture Analyzer - Touch Screen Moisture Content Tester - 110 g, 40-160°C

Model **MSMCA110-T10ESWISS, MSMCA110-T5ESWISS, MSMCA110-T1ESWISS** | Brand **Master Science**







The Master Science Halogen Moisture Analyzer dries a sample under a halogen lamp while a load cell tracks the weight loss, then reports moisture or solid content directly as a percentage. It is built for any workplace that needs a quick, repeatable moisture figure without a drying oven.

KEY HIGHLIGHTS

- Results without an oven
- Readability to match the job
- See the drying progress
- Heating to suit the sample
- Flexible endpoints

AT A GLANCE

40 to 160°C (1°C step) TEMPERATURE RANGE	**0.00% to 100.00%** MOISTURE RANGE
100.00% to 0.00% SOLID CONTENT RANGE	**PT100** TEMPERATURE SENSOR

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Three versions share the 110 g capacity and differ in readability: 0.01 g, 0.005 g and 0.001 g. Every Master Science Halogen Moisture Analyzer has a 5-inch full-colour touch screen that plots the drying curve as the test runs, with Standard, Fast and Soft heating modes to suit the sample.

Specifications for the three versions of the Master Science Halogen Moisture Analyzer are given below.

The Master Science Halogen Moisture Analyzer is intended for moisture content checks, for example in:

Key Benefits

Results without an oven
: the Master Science Halogen Moisture Analyzer heats and weighs in one unit.

Readability to match the job
: choose 0.01 g, 0.005 g or 0.001 g.

See the drying progress
: live curve on the touch screen.

Heating to suit the sample
: Standard, Fast and Soft modes.

Flexible endpoints
: automatic, manual or timed stop.

For trace water determination by titration, see the Master Science Karl Fischer titrator.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSMCA110-T10ESWISS, MSMCA110-T5ESWISS, MSMCA110-T1ESWISS
SKU	MSMCA110-T10ESWISS, MSMCA110-T5ESWISS, MSMCA110-T1ESWISS
General	Max. Capacity: 110 g
Readability	**0.01 g (MSMCA110-T10ESWISS); 0.005 g (MSMCA110-T5ESWISS); 0.001 g (MSMCA110-T1ESWISS)**
Sensor	Load cell
Heat Source	Halogen lamp
Temperature Sensor	PT100
Temperature Range	**40 to 160°C (1°C step)**
Time Setting	1 to 99 min (10 s step)
Moisture Range	**0.00% to 100.00%**
Moisture Readability	**0.10% (T10E); 0.05% (T5E); 0.01% (T1E)**
Solid Content Range	**100.00% to 0.00%**
Solid Content Readability	**0.10% (T10E); 0.05% (T5E); 0.01% (T1E)**
Real-time Curve	Real-time dynamic curve
Testing Space	30 mm
Operating Temperature	15 to 30°C
Power Supply	220 V, 50 Hz / 110 V, 60 Hz

DIMENSIONS & WEIGHT

Pan Size	φ100 mm
External Dimensions	340 x 215 x 170 mm

DISPLAY & DATA

Display	5-inch full-colour touch screen
Data Storage	20 groups

COMMON PROBLEMS THIS ANALYZER SOLVES

Common Problems This Analyzer Solves	Moisture testing by oven drying is slow and easy to get wrong.
Oven tests take hours	: halogen heating and direct weighing shorten the wait.
One heating profile does not suit every sample	: choose between Standard, Fast and Soft modes.
First test of the day reads differently	: empty pan preheating brings the chamber to working condition.
No record of earlier runs	: 20 groups of results are stored for later query.

Applications

- **Food and grain processing**
- **Pharmaceutical and chemical raw materials**
- **Plastics and polymer granules**
- **Quality control and teaching laboratories**

Operation

- Full-colour touch screen
- Real-time testing curve
- Standard / Fast / Soft heating modes
- Automatic / Manual / Timed stop modes
- Silent rapid cooling fan
- Adaptive micro-voltage adjustment
- Test frequency selection
- Clock function
- History record query

11 Function Settings

- Heating mode, stop mode, heating temperature and heating time settings
- Baud rate setting
- Language setting (CN/EN)
- Date and time setting
- Data storage setting
- Factory reset
- Instrument calibration
- Empty pan preheating