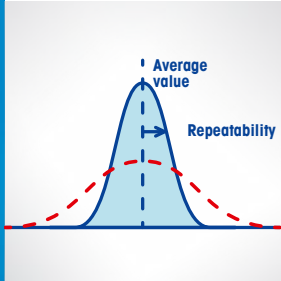


# High Performance Moisture Analysis

## Accurate Results and Compliance Ready



### Accurate Results for All Sample Types

Get highly reliable and repeatable moisture results thanks to fast halogen heating and superior weighing performance with 0.001% moisture content readability.



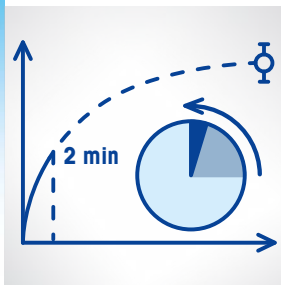
### Increased Safety And Process Control

Define multiple users with individual access rights. Zero results and auto lock-out option increase efficiency while adhering to SOPs and regulations.



### Built-In Testing Methods Ensure Performance

Integrated routine testing features ensure the instrument is always performing optimally: FACT, SmartCal and tests for the heating and weighing unit at the point of use.



### Reduced Measurement Time With Results Prediction

The embedded QuickPredict™ function allows you to predict the final result of moisture measurements in a fraction of the usual measurement time. This allows quicker decision making and speeding up of further analysis/process steps.



## HX204 Halogen Moisture Analyzer

A high-performance weighing cell with 0.001% moisture content readability separated from the heating source ensures best moisture results even when measuring very low moisture contents. Method flexibility ensures reliable results for any sample type in research, quality control and in-process control. Integrated routine testing and quality management features help to ensure optimal instrument performance and adherence to regulations.

With the HX204 you also get:

- Integrated method development support
- Quick and easy cleaning
- Network connectivity
- Level control
- Simple system integration and automation
- Tailor-made reporting
- ID management
- Control limits

# HX204

## Halogen Moisture Analyzer



### Hanging weighing pan

Improved accuracy and repeatability and easy cleaning

### Flat stainless steel surfaces

Easy to clean and robust

### FACT and electronic level control

Ensured instrument performance

### Results prediction

Reduced time to result

### Precise halogen heating

Fast and reliable results

### High performance MFR load cell

Readability 0.1 mg  
Accurate moisture results

### Network and printer connectivity

Flexible reporting and data transfer

### Built-in method support

Simplified method development for reliable results

## Technical data

<b>Repeatability</b>	0.05% with 2 g sample
	0.01% with 10 g sample
<b>Drying Programs</b>	Standard, Rapid, Gentle, Steps
<b>Readability</b>	0.1 mg, 0.001%MC
<b>Method Memory</b>	300
<b>Results Storage</b>	3,000
<b>Recommended %MC</b>	>0.01%
<b>Results Handling</b>	Control charts, Results overview, Real-time drying curve, QuickPredict, A4 Network printing, Export to file servers, Zero-results option
<b>ID Management</b>	10 IDs (entered manually or using a barcode scanner)
<b>User Management</b>	10 groups with 30 users, auto lock-out function
<b>Switch-Off Criteria</b>	5 automatic, free, timed (1–480 min)
<b>Drying Temperature</b>	40–230 °C (1 °C increments)
<b>Test and Adjust</b>	Freely definable temperature adjustment (80–200 °C)
	3 <sup>rd</sup> testing temperature (50–200 °C)
	Internal (FACT) and external weight test (0.1–200 g)
<b>Display Modes</b>	%MC, %DC, %AM, %AD, g, g/kg MC, g/kg DC, –%MC
<b>Interfaces</b>	WiFi, Ethernet, USB device/USB host (2), RS232, SD
<b>Capacity</b>	201 g
<b>Method Development</b>	Method Wizard, Test measurement
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Czech, Hungarian, Portuguese, Chinese, Japanese, Korean
<b>Display</b>	7" color touchscreen

## Accessories for Moisture Analyzers

		Material No.
<b>Sample Handling</b>	Aluminium sample pans	00013865
	Glass fiber filters	00214464
<b>Quality Management</b>	Certified temperature kit – HX/HS/HC	30020851
	Certified adjustment weight 100 g – HX/HS/HC	30406400
<b>Other Accessories</b>	Protective cover HX/HS	30003957
	Dust filters HX/HS	30020838
	Barcode reader (USB)	30417466
	Support stand HX/HS	30018474
	Printer holder HX/HS	30066692
	EasyDirect Moisture (Data Collection SW)	30522676

## SmartCal™ Test Substance

	Material No.
SmartCal StarterPac	30005917
cSmartCal StarterPac	30005918
SmartCal12	30005792
cSmartCal12	30005793
SmartCal24	30005790
cSmartCal24	30005791
Thermohygrometer (RHT sensor) – HX/HS/HC	30020850

▶ [www.mt.com/smartcal](http://www.mt.com/smartcal)

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Laboratory Weighing  
Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)

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[www.mt.com/moisture](http://www.mt.com/moisture)

For more information

# High Performance Moisture Analysis

## Accurate Results and Optimized Productivity



### Process Control And Optimized Productivity

Define multiple users with individual access rights to adhere to SOPs and regulations. Customizable control and warning limits for each method allow instant pass/fail decisions to be made by the user.



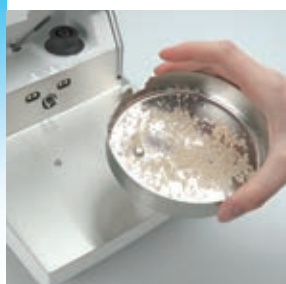
### Integrated Method Development Support

The integrated Method Wizard helps you to develop robust methods delivering reliable moisture results with minimum effort.



### Versatile Data Transfer And Printing

For reporting, simply transfer data to a USB flash drive or a file server through various interfaces. Print results on a strip printer or any printer in the network. Customizable reports and formats available.



### Innovative Design For Easy Cleaning

The hanging weighing pan and flat stainless-steel surface underneath allow fast and easy cleaning without the risk of dirt falling into the weighing cell.



## HS153 Halogen Moisture Analyzer

Equipped with a high-performance weighing cell separated from the heating source for best moisture results. Method flexibility ensures reliable results in quality and in-process control either in the lab or directly on the production floor. Integrated routine testing and quality management features help to ensure optimal instrument performance.

With the HS153 you also get:

- Safety and process control
- Precise halogen heating
- High-performance load cell
- Built-in quality assurance
- ID management
- Results prediction (optional)

# HS153

## Halogen Moisture Analyzer



**Precise halogen heating**  
Fast and reliable results

**High performance MFR load cell**  
Readability 1 mg  
Accurate moisture results

**Network and printer connectivity**  
Flexible reporting and data transfer

**Built-in method support**  
Simplified method development  
for reliable results

**Hanging weighing pan**  
Improved accuracy and repeatability  
and easy cleaning

**Flat stainless steel surfaces**  
Easy to clean and robust

**Level control**  
Adherence to SOPs and regulations

**Results prediction (optional)**  
Reduced time to result

### Technical data

<b>Repeatability</b>	0.05% with 2 g sample
	0.01% with 10 g sample
<b>Drying Programs</b>	Standard, Rapid, Gentle
<b>Readability</b>	1 mg, 0.01%MC
<b>Method Memory</b>	100
<b>Results Storage</b>	3,000
<b>Recommended %MC</b>	>0.5%
<b>Results Handling</b>	Control charts, Results overview, Real-time drying curve, QuickPredict (optional), A4 Network printing, Export to file servers
<b>ID Management</b>	10 IDs (entered manually or using a barcode scanner)
<b>User Management</b>	10 groups with 30 users, auto lock-out function
<b>Switch-Off Criteria</b>	5 automatic, free, timed (1–480 min)
<b>Drying Temperature</b>	40–230 °C (1 °C increments)
<b>Display Modes</b>	%MC, %DC, %AM, %AD, g, g/kg MC, g/kg DC, –%MC
<b>Interfaces</b>	WiFi, Ethernet, USB device/USB host (2), RS232, SD
<b>Capacity</b>	151 g
<b>Method Development</b>	Method Wizard, Test measurement
<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Czech, Hungarian, Portuguese, Chinese, Japanese, Korean
<b>Display</b>	7" color touchscreen

### Accessories for Moisture Analyzers

		Material No.
<b>Sample Handling</b>	Aluminium sample pans	00013865
	Glass fiber filters	00214464
<b>Quality Management</b>	Certified temperature kit – HX/HS/HC	30020851
	Certified adjustment weight 100 g – HX/HS/HC	30406400
<b>Other Accessories</b>	Protective cover HX/HS	30003957
	Dust filters HX/HS	30020838
	Barcode reader (USB)	30417466
	Support stand HX/HS	30018474
	Printer holder HX/HS	30066692
	EasyDirect Moisture (Data Collection SW)	30522676
	License QuickPredict	30518268

### SmartCal™ Test Substance

	Material No.
SmartCal StarterPac	30005917
cSmartCal StarterPac	30005918
SmartCal12	30005792
cSmartCal12	30005793
SmartCal24	30005790
cSmartCal24	30005791
Thermohygrometer (RHT sensor) – HX/HS/HC	30020850

▶ [www.mt.com/smartcal](http://www.mt.com/smartcal)

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