

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

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

Accessories for Moisture Analyzers

		Material No.
Sample Handling	Aluminium sample pans	00013865
	Glass fiber filters	00214464
Quality Management	Certified temperature kit – HX/HS/HC	30020851
	Certified adjustment weight 100 g – HX/HS/HC	30406400
Other Accessories	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

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