

All-Round Moisture Analysis For Lab and Production



Intuitive Operation

The large 7" color touchscreen offers an easy to navigate user interface. The operator is guided graphically step by step through the workflow.



Robust and Compact Design

Tough metal housing and robust components guarantee a long instrument lifetime. Along with a space-saving design, this makes the HC103 a perfect choice for a busy lab or harsh production floor.



Quick Access to Methods And Results

Shortcuts allow quick and easy access to up to 20 methods. 100 results are stored per method name and can easily be reviewed in the results overview.



Easy Reporting

Production and quality control requires regular moisture testing for each batch. Print or export reports to USB flash drive. ID management, together with a barcode reader make documentation straightforward and easy.



HC103 Halogen Moisture Analyzer

Suitable for a variety of industries, the HC103 offers user-guided touchscreen operation with method shortcuts for ease-of-use. Its compact and robust design guarantees a long instrument lifetime and works for both quality and in-process control applications. The integrated method wizard helps you to develop robust methods delivering reliable moisture results.

With the HC103 you also get:

- Solid weighing technology
- Fast and precise halogen heating
- Intuitive operation
- ID management
- Setup wizard and instrument tutorial

HC103

Halogen Moisture Analyzer

Halogen Heating

Accurate temperature control

Built-In Method Support

Simplified method development for reliable results

Bright and Sharp Touchscreen

Easy to read

Real-Time Drying Curve

Progress overview

ID Management and Multiple Interfaces

Convenient data transfer and reporting

Flat Stainless Steel Surfaces

Easy to clean and robust

Graphical User Guidance

Intuitive for anyone to operate



Technical Data

Repeatability	0.10% with 2 g sample
	0.015% with 10 g sample
Drying Programs	Standard, Rapid
Readability	1 mg, 0.01%MC
Method Memory	20
Results Storage	100
Recommended %MC	>1.0%
Results Handling	Results overview, Real-time drying curve
ID Management	10 IDs (entered manually or using a barcode scanner)
Safety	Protection of Settings
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	USB device/USB host (2), RS232
Capacity	101 g
Method Development	Method Wizard
Languages	English, German, French, Spanish, Italian, Russian, Czech, Hungarian, Portuguese, Chinese, Japanese, Korean, Polish
Display	7" color touchscreen
Dimensions (W x D x H)	192 x 385 x 169 mm (370 mm lid open)

SmartCal™ Test Substance

	Material No.
SmartCal StarterPac	30005917
cSmartCal StarterPac	30005918
SmartCal12	30005792
cSmartCal12	30005793
SmartCal24	30005790
cSmartCal24	30005791

www.mt.com/SmartCal



HC103

Moisture Analyzer Power Consumption

Instrument Steady State	Approx. Power Consumption (W)*
Standby	6
100°C	60
160°C	90

* Test results conducted by METTLER TOLEDO under ideal conditions without a sample at 115V and 230V.



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	30822726
	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; Certified temperature kit; Certified adjustment weight