Simple Moisture Analysis
Reliable and Affordable Performance

Bright, Clear Display

Thanks to large numbers and the brilliant LCD display, information and results are easy to read in all lighting conditions.

Simple 3-Step Operation

So straightforward everyone can perform moisture analysis:
1. Tare the empty weighing pan
2. Evenly distribute your sample
3. Press start and see the result in just a few minutes

Affordable Quality

The HE53 provides excellent value for money with halogen drying technology and a high performance weighing unit.

Rugged Construction

With a robust metal housing and easy-to-clean stainless steel surface, the HE53 has been designed to provide you with years of reliable service.

HE53
Halogen Moisture Analyzer

The HE53 halogen moisture analyzer is a robust and affordable instrument for determining the moisture content of common everyday samples. With on-screen assistance and easy 3-step moisture measurement process, it is simple to use, even for untrained operators. It is perfect for when you have a tight budget but require reliable performance.

With the HE53, you also get:

• Reliable results
• Intuitive operation
• Easy printer connection

METTLER TOLEDO

HE53
Halogen Moisture Analyzer

Halogen heating
Accurate temperature control for precise drying

RS232 connection for printer
Fast and error-free documentation

Brilliant display
Easy to read

Robust construction
Space-saving and easy-to-clean design

Progress indicator
View measurement progress in real-time

Weighing unit
High performance weighing cell
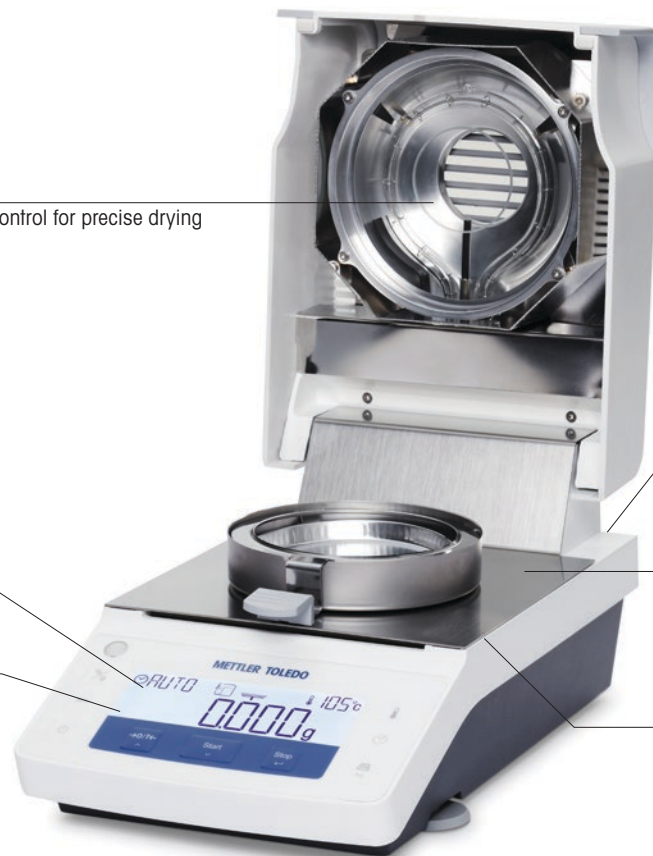
Technical Data

Repeatability	0.15% with 2 g sample
	0.05% with 10 g sample
Drying Programs	Standard, Rapid
Readability	1 mg, 0.01 %MC
Method Memory	1
Results Storage	1
Recommended %MC	1.0–100 %MC
Results Handling	Progress indicator
Switch-Off Criteria	1 automatic, timed (1–120 min)
Drying Temperature	50–160 °C (1 °C increments)
Test and Adjust	Temperature adjustment 100 °C/160 °C
	External test weight 50 g
Display Modes	%MC, %DC, %AM, %AD, g
Interfaces	RS232
Capacity	54 g
Display	Backlit LCD
Dimensions **(W × D × H)**	183 × 334 × 161 mm (341 mm cover open)

SmartCal™ Test Substance

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

▶ **www.mt.com/smartcal**

HE53

Moisture Analyzer Power Consumption

Instrument Steady State	Approx. Power Consumption (W)*
Standby	3
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 – HE	30134141
	Certified adjustment weight 50 g	30402574
Other Accessories	Protective cover	30209145
	Dust filters – HC / HE	11113883
	Dust filters housing – HC / HE	30216118
	Printer, e.g. RS-P25/00	30702967

Aluminium sample pans

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For more information