

# Moisture Determination at the Speed of Light

**HR73. The high-end model.**  
Professional, systematic  
moisture measurement  
to fulfill the highest possible  
requirements.



**Drying at light speed.**  
Halogen technology heats  
the sample in seconds.  
The drying temperature can  
be precisely controlled.  
The result is a considerably  
shorter measurement time  
compared with conventional  
methods, and better repro-  
ducibility of the measured  
values.



**Certified testing aids.**  
The METTLER TOLEDO  
testing aids for the halogen  
moisture analyzers are  
seamlessly traceable to  
international standards.

**HB43. Strong performer.**  
Wherever quality must be  
assured every time,  
and standards  
uncompromisingly  
met, the HB43 is the  
ideal instrument.



**Reliable routines.**  
Simple operation and  
high-quality measuring and  
heating technology make  
the HG53 Halogen Moisture  
Analyzer ideal for standard-  
ized routines.

# The right instrument for every application

- Ultra-rapid halogen drying
- Maximum precision and reproducibility
- Can be integrated into quality management systems
- Simple operation
- Multilingual user guidance

#### Accessories for all halogen moisture analyzers

- Temperature adjustment set HA-TC
- Certified temperature adjustment set HA-TCC
- Recertification of certified temperature adjustment set HA-TCC-Re
- Reusable sample pans HA-DR1 (set of 3)
- Sample pan handler HA-PH (set of 3)
- External printer LC-P45 (GA42 for HB43 only)



HR73

HG53

HB43

Measured values			
Readability	0.01%	0.01%	0.01%
Repeatability (s) (2 g sample)	0.1%	0.1%	0.15%
Repeatability (s) (10 g sample)	0.02%	0.02%	0.03%
Evaluation			
Moisture content in %	•	•	•
Dry content in %	•	•	•
Dry weight in g	•	•	•
Calculation based on dry weight (moisture, dry weight)	•	•	•
Balance			
Maximum sample weight	71 g	51 g	41 g
Minimum sample weight	0.1 g	0.1 g	0.5 g
Readability	1 mg	1 mg	1 mg
Drying unit			
Technology	halogen	halogen	halogen
Temperature range	50 – 200 °C	50 – 200 °C	50 – 200 °C
Adjustment steps	1 °C	5 °C	5 °C
Temperature programs	4	1	2
Switch-off criterion			
Timed (minutes)	1 – 480	1 – 480	1 – 480
Automatically (five settings)	•	•	•
Automatically (freely selectable)	•		
Test aid	•	•	
Adjustment of balance and dryer	2 points	2 points	2 points
Automatic sample feed	•	•	manual
Printer (incl. results, statistics, user ID)	installable	installable	external
Display	LCD backlit	LCD	LCD backlit
LocalCAN Universal interface/RS232C	•	•	RS232C
Additional functions, database			
Method memory for 20 substances	•		
Statistics, journal maintenance	•		
Sample identifications	•		
Weighing-in aid	•	•	

#### Accessories for HR73 and HG53

- Add-on printer HA-P43
- RS232 25-pin interface cable to connect computer LC-RS25
- RS232 9-pin interface cable to connect computer LC-RS9
- Transport case HA-CASE
- Sample pan for bulky samples HA-CAGE
- Protective cover for keyboard, resistant to chemicals HA-COVER (set of 2)
- 50 g adjustment weight

#### Accessories for HB43

- Antitheft device
- 20 g adjustment weight
- Transport case
- Protective cover resistant to chemicals
- Interface cable to connect computer

#### Consumable articles

- Printer paper for all printers (set of 5 rolls)
- Ink ribbon for all printers (cassette, black)
- Standard sample pan HA-D90 (set of 80)
- Professional sample pan, extra strong (set of 80)
- Absorbent glass-fiber disks for liquid substances HA-F1 (set of 100)

#### Spare parts

If you need spare parts for your halogen moisture analyzer, please contact your METTLER TOLEDO dealer.

Certified versions on request

You will find further information on moisture analyzers, as well as on the standard and optional equipment, in our lab catalog.



Quality certificate ISO 9001  
 Environmental certificate ISO 14001  
 Internet: <http://www.mt.com>  
 Service worldwide

Subject to technical changes.  
 © 6/2000 Mettler-Toledo GmbH  
 Printed in Switzerland 11795122  
 MCG MarCom Greifensee