



# Thermo Scientific HAAKE MARS iQ Rheometer Series

## More iQ for your QC

### A smarter rheometer system for quality control

The Thermo Scientific™ HAAKE™ MARS™ iQ Rheometer Series enable fast, consistent characterization of a wide range of samples, regardless of user.

The software and a user-friendly touch screen offer the possibility to support QC employees with standard operating procedures. In combination with “Assist” functionalities failure-free measurements are ensured.

Choose between two different versions, equipped with either ball-bearing or air-bearing. Combined with a comprehensive portfolio of accessories, it offers a wide measuring range for a variety of samples and advanced testing capabilities such as texture analysis, tribology and pressure-dependent tests.



### Discover the benefits

#### Intuitive.

#### A QC rheometer that makes QC even more convenient

- State-of-the-art user interface for SOP execution
- “Assist” functionalities to ensure safe and correct measurements

#### Intelligent.

#### A QC rheometer design that masters daily measurement challenges

- Unique lift and frame concept to meet highest technical requirements with free access to sample area
- Next generation of EC motor ideal for different demands

#### Individualized.

#### A QC rheometer with extraordinary flexibility for tomorrow's testing demands

- Future-proof with extensive and growing accessory portfolio
- Ready for measurements beyond rheology using normal force capabilities

#### Operation with a mouse-click or operation with a finger touch

#### Instrument touchscreen user interface for more convenience

- Large 7" color touchscreen (multilingual)
- Launch of any HAAKE RheoWin Software method directly from the instrument
- Display of real-time numerical measurement data and data analysis results
- Standby mode for energy savings and such much more...

Technical data	Units	HAAKE MARS iQ	HAAKE MARS iQ Air
Bearing type		Ball Bearing	Air Bearing
<b>Measuring modes:</b>			
Rotation (CR <sup>a</sup> , CS <sup>b</sup> )		✓	✓
Oscillation (CD <sup>c</sup> , CS)		✓	✓
<b>Torque range:</b>			
Min. torque rotation	mNm	0.2	0.001
Max. torque rotation	mNm	125	150
Min. torque oscillation	mNm	0.2	0.001
Max. torque oscillation	mNm	125	150
Torque resolution	µNm	2.0	0.007
<b>Velocity ranges:</b>			
Min. angular velocity	rad/s	0.001	0.0001
Max. angular velocity	rad/s	209.4	209.4
Min. rotation speed	rpm	0.01	0.001
Max. rotation speed	rpm	2000	2000
Angular resolution	µrad	0.63	0.63
<b>Frequency range:</b>			
Min. frequency	Hz	0.01	0.0001
Max. frequency	Hz	20	100
<b>Normal force:</b>			
Min. normal force	N	0.01 <sup>d</sup>	0.01
Max. normal force	N	50 <sup>d</sup>	50
Normal force resolution	N	0.001 <sup>d</sup>	0.001
<b>Lift performance:</b>			
Max. lift travel	mm	230	230
Gap accuracy	µm	1	1
Gap resolution	µm	0.05	0.05
<b>Temperature modules with automatic recognition</b>		-150 °C to 450 °C <sup>e</sup>	-150 °C to 450 °C <sup>e</sup>
<b>Features and functionalities:</b>			
Color Touch Screen		✓	✓
Connect Assist		✓	✓
Protect Assist		✓ <sup>d</sup>	✓ <sup>d</sup>
Color Assist		✓	✓
View Assist		✓ <sup>d</sup>	✓ <sup>d</sup>
<b>Interfaces:</b>			
TCP/IP-Ethernet		For communication with PC	For communication with PC
<b>Dimensions:</b>			
W x D x H	mm	480 x 390 x 670	480 x 390 x 670
Weight	kg	57	57

<sup>a</sup> Controlled rate, <sup>b</sup> Controlled stress, <sup>c</sup> Controlled deformation, <sup>d</sup> Option, <sup>e</sup> Depending on temperature modules and other factors, e.g., cooling option

Contact us today to discuss your needs. With decades of application know-how in our worldwide demonstration labs, we can assist you in realizing your specific application needs and goals. Talk to our experts today and learn what options are available.

Learn more at [thermofisher.com/MarsiQ](https://thermofisher.com/MarsiQ)

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