HAAKE Viscometer and Rheometer Selection Guide

Select the right viscometer or rheometer according to your rheological demand. Whether you measure the flowability of paints and coatings, the consistency of new foods or analyze the viscoelastic properties of plastics, rely on our instruments to make life easier in the lab.

- **Easily interpret data:** intuitive software helps provide fast answers
- **Quick accessory setup:** "Assist" functions help move from one sample to the next
- **Around-the-clock support:** unrivaled warranties and technical support worldwide

	Thermo Scientific™ HAAKE™ Viscotester™ 3	Thermo Scientific™ HAAKE™ Viscotester™ iQ / iQ Air	Thermo Scientific™ HAAKE™ MARS™ iQ / iQ Air	Thermo Scientific™ HAAKE™ MARS™ 40 / 60
Features				
Type of instrument	Handheld viscometer	Rotational rheometer	Rotational rheometer	Rotational rheometer
Portable	✓	✓		
Temperature control options		✓	✓	✓
Automatic lift functionality			✓	✓
Standalone operation	✓	✓		
Software controlled operation		✓	✓	✓
Tests in controlled stress (CS) mode		✓	✓	✓
Tests in oscillation mode (CD-controlled deformation & CS)		✓ Optional for iQ	✓	✓
Tests in controlled rate mode (CR)	✓	✓	✓	✓
Normal force capabilities			✓ Optional for iQ	✓
Minimum rotational speed (rpm)	62.5	0.01	0.001[a]	10^{-8} [b]
Maximum rotational speed (rpm)	62.5	1500	2000	4500 1500 (4500)[e]
Dimensions (L x W x H)[c]	180 x 90 x 175 mm	270 x 500 x 500 mm	480 x 390 x 670 mm	600 x 600 x 890 mm
Software		HAAKE RheoWin	HAAKE RheoWin	HAAKE RheoWin

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Available accessories				
Pressure cells		✓	✓	✓
Building material cell		✓	✓	✓
Tribology			✓	✓
Powder rheology			✓	✓
UV curing			iQ Air only	✓
Interfacial rheology				✓
Solid sample testing fixture for dynamical mechanical thermal analysis (DMTA)			✓	✓
Sentmanat Extensional Rheometer Accessory (SER)			✓	✓
Rheo-DEA*				Rheo-DEA Setup
Rheo-Microscope			RheoScope Module	RheoScope Module
Rheo-FTIR Spectroscopy				Rheonaut Module
Rheo-Raman Spectroscopy				RheoRaman Module
Applications & sample types				
Quality Control	✓	✓	✓	✓
Research & Development		Limited	✓ [d]	✓
Single-point viscosity	✓	✓	✓	✓
Absolute viscosity data		✓	✓	✓
Flow/viscosity curve		✓	✓	✓
Viscoelastic behavior		✓ Optional for iQ	✓	✓
Polymer melt analysis			iQ Air only	✓
Low viscous samples (juices, dairy products, inks, etc.)	✓	iQ Air only	iQ Air only	✓
Composites			✓	✓

[a]HAAKE MARS iQ Air • [b]in CR mode • [c]Base unit only • [d]HAAKE MARS iQ Air version prefered • [e]Option for high shear rates
*Dielectrical analysis

Quickly test viscosity and rheological properties of your materials for these industries:

Paints & Coatings • Processed Food • Cosmetics & Pharmaceuticals • Battery & Clean Energy • Polymers & Chemicals • Cement & Building Materials • Petrochemicals

Find more information at **thermofisher.com/rheometers**

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