

Rheometers

Flexible supporting arm with digital camera for Thermo Scientific HAAKE MARS Rheometers

Authors

Cornelia Küchenmeister-Lehrheuer, Jint Nijman, and Fabian Meyer
Thermo Fisher Scientific
Karlsruhe, Germany

Keywords

Thermo Scientific HAAKE MARS, flexible holder for individual components, digital camera

Introduction

A freely adjustable supporting arm for additional accessories is available for the Thermo Scientific™ HAAKE™ MARS™ Rheometers.* The supporting arm is attached to the rheometer via the rear sided mounting rods** and can hold components up to a weight of 4 kg. The supporting arm can be used in combination with a digital camera (different models available) for observing the sample during a rheological measurement. For capturing images or videos during a measurement, no further software is required. The Thermo Scientific™ HAAKE™ RheoWin™ Software allows for storage of all images and videos along with rheological data in a single file. Various data formats and resolutions are available.

Thanks to its flexibility the supporting arm can be adjusted to the front as well as to the rear side of the HAAKE MARS Rheometer. The latter option has the advantage of providing free access to the sample without any obstructions. This guarantees user-friendly operation of the rheometer despite the additional components.

The supporting arm can also be used with other accessories besides cameras, such as light sources or external temperature sensors.



Figure 1: HAAKE MARS Rheometer with mounted camera adjusted to the front side.

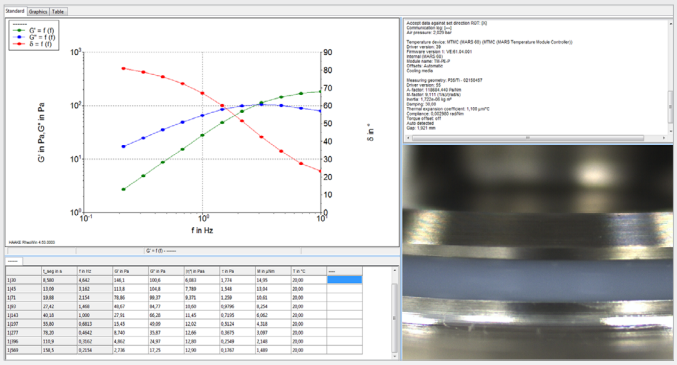


Figure 2: Rheological measurement and simultaneous image recording with the HAAKE RheoWin Software.

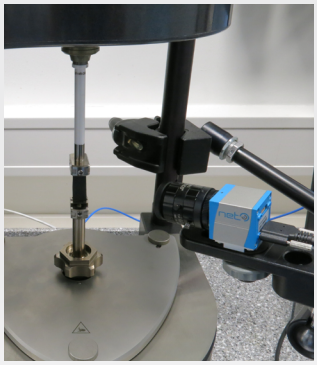


Figure 3: Thermo Scientific™ HAAKE™ MARS™ iQ (Air) Rheometer with mounted camera for tensile tests at ambient conditions using solid clamps for cylindrical or rectangular samples

thermo scientific

*Currrent versions and predecessor models.
** Part of standard delivery content of the HAAKE MARS 60 Rheometer.

Optional accessory for the HAAKE MARS Rheometer models I, III and 40 as well as for the HAAKE MARS iQ Rheometer series.

Ordering information

Product	Catalog number
Adjustable holder for individual components incl. a universal clamp for fastening to a MARS rheometer	603-0539

Necessary accessories

Product	Catalog number
Mounting rods for HAAKE MARS models I, III, 40 and 60*	222-1914
Mounting rod for HAAKE MARS iQ (Air) Rheometer	603-2582

* Part of standard delivery content of the HAAKE MARS 60. Optional accessory for the HAAKE MARS models I, III and 40

Camera accessories

Product	Catalog number
Adapter plate for camera to mount on the adjustable holder	222-2345
Monochrome camera with USB 3.0 interface	222-2342
Color camera with USB 3.0 interface	222-2343
Object lens 25 mm for digital camera	603-0541
Connecting cabel for camera models 222-2342 and 222-2343	222-2344

Learn more at **thermofisher.com/rheometers**

For research use only. Not for use in diagnostic procedures. For current certifications, visit thermofisher.com/certifications.
© 2024 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **PPA P031 08/24**