

## Accessory for HAAKE MARS

### HAAKE MARS rheometer frame: optimized, flexible, individual extendable

Rheological investigations are very complex in respect of the measured sample and the measuring job. Apart from software- and firmware settings a flexible rheometer configuration is required. The instrument must be flexible with respect to a user-friendly exchange of temperature control units or application-oriented measuring cells. Generally it becomes more and more important to be able to adapt an instrument to fit into individually configured workspaces.

The HAAKE MARS is the most modular rheometer in its class thanks to his one-piece, aluminium cast two-columned frame (fig. 1). It is characterized by a spacious design and an optimized force balance: the active forces from the sample and the reactive forces in the frame operate in one plane. This effectively prevents the gap from widening due to high normal forces. A 125 mm opening in the base plate and the possibility to swap the electronics out of the frame

enables a 3-dimensional access to the sample. Optional mounting rods on the rear side of the frame can be used for the adaptation and positioning of a Controlled Test Chamber (CTC) or individual accessories.

All application related components incl. measuring head and the control electronics are interchangeable thus customized solutions can be achieved to meet even the most complex demands. For example, the lower mount - designed to adapt a temperature control unit or a special measuring cell - is removable. This space can be used for individual components such as a (huge) individual container or for the measuring head e.g. in order to easily position the sample into the beam of other analytical instruments (fig. 2).

Fig. 3 includes the dimensions of the HAAKE MARS frame. It is extendable or can be modify on individual requests.

### Key words

- HAAKE MARS
- Modularity
- Individual solution
- Combined measuring methods

### Order Information:

379-0200 HAAKE MARS rheometer  
222-1728 Mounting rods for HAAKE MARS



Fig.1



Fig. 2



Fig. 1: HAAKE MARS as standard version: front view with built in temperature controlled unit for cone and plate measuring geometries (left) and side view with mounting rods (right)

Fig. 2: Examples for individual configurations: upside-down version (left) and measurements in original containers such as a 10-liter bucket for QC purposes (right)

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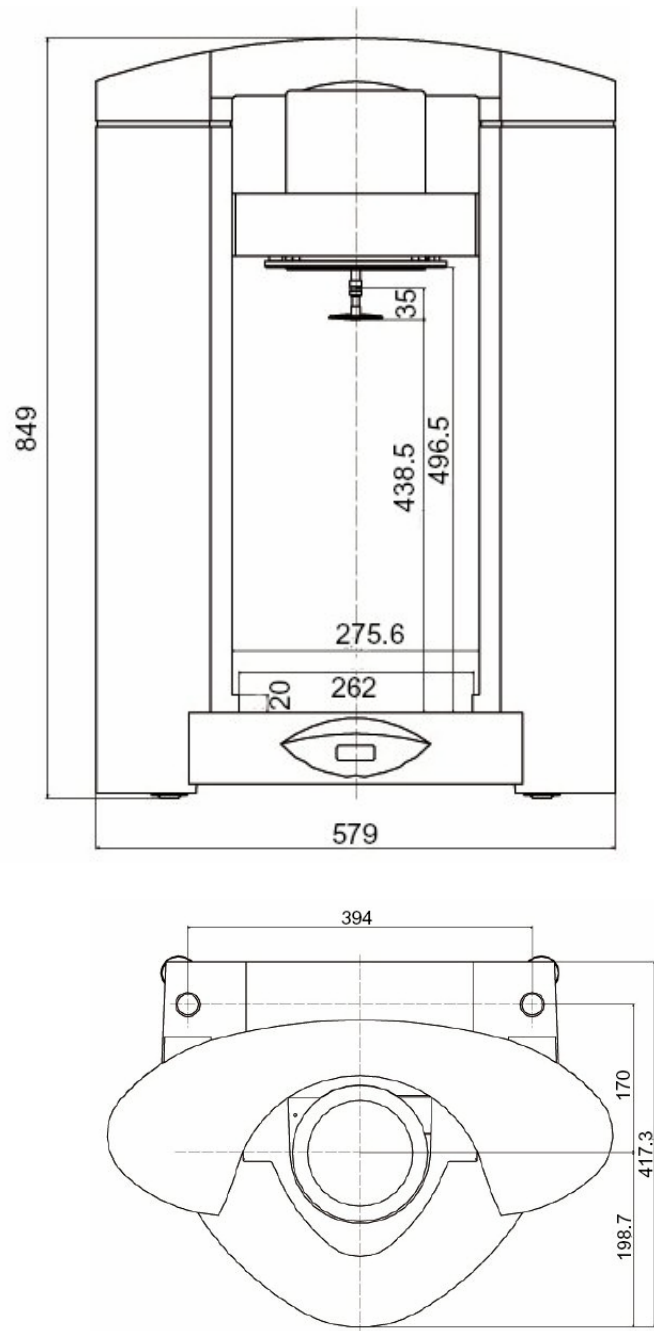


Fig. 3: HAAKE MARS frame front and top view with dimensions