PRODUCT INFORMATION

Universal holder for measurements in original containers

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Key words
HAAKE MARS Rheometer, HAAKE Viscotester iQ Rheometer, yield point determination, vane rotor, relative measurement, original container

A universal holder for original sample containers is available for the Thermo Scientific™ HAAKE™ MARS™ and Thermo Scientific™ HAAKE™ Viscotester™ iQ Rheometers.

The holder consists of a height adjustable bottom plate, a sliding plate for diameter adjustment and a slotted clamping bar (Figure 1). The universal container holder is designed for a quick and easy adaption of both, height and diameter to accomodate a wide variety (regarding size and shape) of original sample containers such as glass jars, cans, beakers, cups, etc (Figure 2). The height of the bottom plate can be adjusted over a range of 6 cm. The diameter can be adjusted from 3 cm to 11 cm. Thanks to this flexible design, sample containers can be mounted solidly into the rheometer and any movement during sample testing is prevented. This allows for the insertion of a (vane) measuring geometry into the sample without comprising its structure. Vane rotors with different diameters and shapes are available. In addition a universal adapter shaft can be used to adapt any individually designed measuring geometry.

The universal container holder in combination with a vane rotor is the configuration of choice for relative measurements on inhomogeneous samples that contain larger particles such as mineral slurries or building materials like mortar. Furthermore materials with a highly sensitive microstructucre that would be compromised when forced into the narrow gap of an absolute geometry can be tested with this setup.

Using the Thermo Scientific™ HAAKE™ RheoWin™ Software, fully automatic measuring and evaluation routines (jobs), including quality check criteria can be created and executed for fast quality control. The HAAKE Viscotester iQ Rheometer offers the possibility to run standardized measuring and evaluation routines either in standalone mode without a PC or with the HAAKE RheoWin Software.

Figure 1: Universal container holder with selection of vane rotors.

Figure 2: Universal container holder build in the HAAKE MARS Rheometer with selection of original containers.

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Ordering Information

Product	Cat. No.
Universal container holder for HAAKE MARS and HAAKE Viscotester iQ rheometers	222-2049
Vane rotors for HAAKE MARS models iQ/iQ Air; 40/60* and HAAKE Viscotester iQ rheometers	
Vane rotor FL16 (D=16 mm, 4 blades)	222-2101
Vane rotor FL22 (D=22 mm, 4 blades)	222-2102
Vane rotor FL26 (D=26 mm, 2 blades)	222-2103
Vane rotor FL40 (D=40 mm, 4 blades)	222-2232
Adapter shaft with a 6 mm bore for individual rotors	222-2130
Adapter shaft with a 4 mm bore for individual rotors	222-2199
Universal adapter with ISO-thread for spindles acc. to ISO 2555	222-2200

* Geometries with same dimensions but different shaft and coupling system are available for HAAKE MARS predecessor models as well as HAAKE RheoStress instruments.

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