

## Accessory for HAAKE Rheometer



### New measuring cell for rheology of building materials

In order to carry out measurements on samples with medium and big particles, a special measuring geometry is often the only way to get meaningful data with a high reproducibility.

For measurements on building materials a new measuring cell has been developed, which can be used for HAAKE MARS as well as rheometers of the HAAKE RheoStress x00 series.

This measuring cell is characterized by its variable profile. For all existing coaxial cylinders the profile is fixed and can not be changed. The profile of the new measuring cell is exchangeable: for each lamella the profile depth can be individually chosen.

Lamellas with a profile depth of 2 mm are included in the standard delivery. Lamellas with 1 mm or 0 mm are available as option, whereas other profile depths are available on request.

Specially shaped vane rotors are included in the price list with 26 and 29,5 mm diameters.

The measuring cell is made of stainless steel in a very robust design. The surface with an optimized structure guarantees an easy cleaning.

Using the cell for construction materials in combination with a HAAKE MARS rheometer the temperature can be controlled; a suitable circulator is required. The temperature control unit is mounted on an adapter plate, in an overhung position and centered by the measuring cell. Using a temperature sensor the temperature can be measured within the sample. With a swing-mechanism the temperature sensor can be positioned automatically and on a reproducible position.

A measuring cell cover is available as an optional accessory.

### Key-words

- HAAKE Rheometer
- Rheology of building materials
- Coaxial cylinders
- Vane rotor

### Order Information:

222-1792 Measuring cell for building materials for HAAKE rheometers, incl. 2 mm profile

#### Optional Accessories:

222-1796 Vane rotor R26 mm

222-1797 Vane rotor R29,5 mm

222-1798 Measuring cell cover

222-1793 Set of lamellas with profile depth 1 mm (8 pcs.)

222-1794 Set of lamellas with profile depth 0 mm (8 pcs.)

222-1795 Set of lamellas with profile depth 2 mm (8 pcs.)

#### (Optional) accessories only for HAAKE MARS:

222-1801 Adaptation plate for construction materials

222-1799 Liquid temperature control unit, circulator required

222-1800 Temperature sensor with swing-mechanism

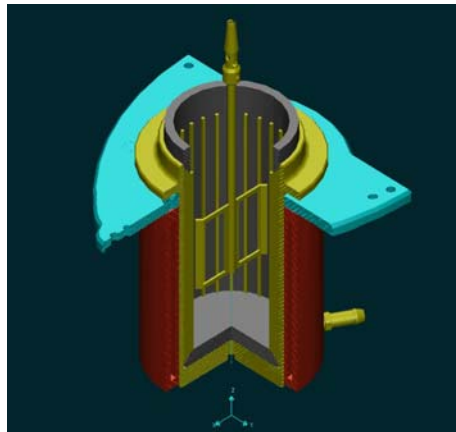


Fig. 1: Cross-section of the measuring cell for building materials with adapter plate, temperature control unit incl. vane rotor

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