

Ball Pressure Viscometer HÖPPLER® KD 3.1

Based on the measuring principle by HÖPPLER to determine viscosity of opaque fluids

Applications

- Education / teaching purposes
- Petroleum industry (e.g. mineral oils)
- Fuels
- Paper industry
- Polymer chemistry
- Cosmetic / Pharmacy
- Food industry
- Detergents



The HÖPPLER® KD 3.1

is a precision laboratory viscometer providing now even more universal applications. As an advanced design of the Höppler rheoviscometer und Höppler consistometer that have been standing the test for many decennia it combines the matured simple principle of measurement of the former with great ease in operation.

The functional overall design of the viscometer is characterized by:

- an extraordinarily wide viscosity measuring range
- a clear digital display of measured values
- a clear keyboard design and menu guidance in several languages
- integral statistical evaluation
- optimum further processing of the measured values via interface RS 232 C

PRINCIPLE OF MEASUREMENT

The HÖPPLER® KD 3.1 is a ball pressure viscometer. During measurement, a ball moves at a defined load through the substance being investigated in a measuring vessel. The dropping speed of the ball is a measure of viscosity. That speed is registered automatically and displayed as dynamic viscosity.

ADVANTAGES FOR THE USER

- Performance, evaluation and documentation of viscosity measurements can be made without fundamental knowledge about rheology and without long time required to become familiarized with this work
- Variable shear stresses can be applied using different weights
- different measuring devices provide a very large viscosity measuring range



SPECIFICATIONS

- Viscosity measuring range	ca. 1 ... 90.000.000 mPas
- Relative error	1 to 2 %
- Interface	V 24 (RS 232 C)
- Temperature range	- 30 to +120 °C
- Required quantity of substance to be measured	20 to 30 ml, depending on measuring device
- Dimensions (width x depth x height)	400 mm x 250 mm x 370 mm

As your competent partner in all problems relating to rheology we offer:

- **an ample program of viscometers for use in laboratories and industrial enterprises**
- **special makes adapted to specific requirements of your enterprise**
- **detailed consultation in your enterprise or in training courses**

Medingen – traditional location for viscometers and rheometers for more than 80 years

RHEOTEST Medingen GmbH

www.rheotest.de

☎ +49 (0) 35205 58-0

✉ info@rheotest.de

