

NEURTEK



RM300 Rheomat

Modular Shear rate
imposed RHEOMETER,
Successor of Rheomat
RM 115 and RM260

It allows rheological studies on all the fluids: visco-thinners, thixotropic or thermo-sensitive and on a range of very broad shear rates: 0.05 -50 000 s⁻¹, thanks to its measurement accessories.

Numerical Technology

Based on a numerical technology of point and calling upon no mechanical element for the measurement of the torque, It guarantees a very high degree of accuracy, a fast answer and a tested reliability. The coupling AC115 makes possible to use the geometries of Rheomat RM115 and RM260 while placing it on the double support wraps existing. The choice of the accessories for a RM300 is guided by the nature of the product to measure and the conditions of measurement defined by the users.

Technical features of RM300

Princip of Measurement	Shear rate imposed Rotative Rheometer
Speeds of rotation	From 0.5 to 1500 tr/mn ± 1%
Shear rate range	From 0.08 to 20 000 s ⁻¹ according geometry used
Measured torque	0 to 30 mNm ± 0.5%
Broad backlighted display with	Temperature MS Viscosity Torque Speed D
Acquisition of Temperature by Pt100 sensor	from -20 to 300° C ± 0.5%
Measurement Driving	Driven software with rheological treatment of data Rheomatic-P.
Outputs	Parallel :Printer • USB / RS232 : transfert / Driving by PC
Supply voltage	110-240 VAC

Normalised measuring geometries



DIN ISO 3219

System of measurement standardized, with gradient speeds defined perfectly, with Pt100 sensor immersed in the sample. Ideal for the fluid and semi-pasty products. Very widespread in the food industry, and the field of paintings and varnish.

MS-C for the Chocolate according to standard OICC.

MS-C4 et C2, standard in the field of the automobile plastisols.

MS-HS to reach 20.000 s⁻¹, thanks to coupling AC115.

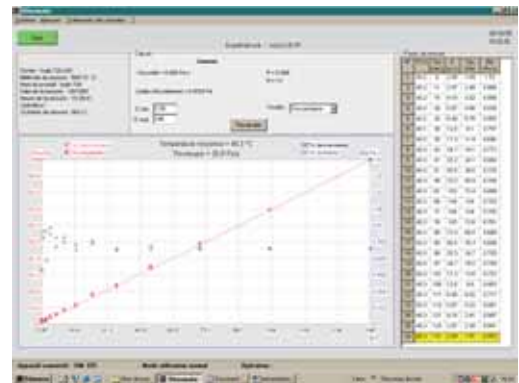


Many other geometries of measurement can be proposed:

Three-bladed Cone-plate, Blade Punt, Propeller according to your standards of measurement or the nature of your products.

Rheomatic-P Software

It carries out curves according to time, temperature and gradient speed, in continuous mode or Step by step. It makes it possible to model and memorize the results and to create procedures of measurement with treatment, automated and made safe.



RT-300 Oven

- T° amb. - 300°C,
- Integrated RT-05 regulator.
- Electrical Up and Down.
- Placed on this support intended for measurements at high temperatures, the RM300 uses disposable Aluminium cups which facilitate measurements on the products difficult to clean: Polymers, resins, bitumens.



For more informations, please contact us: