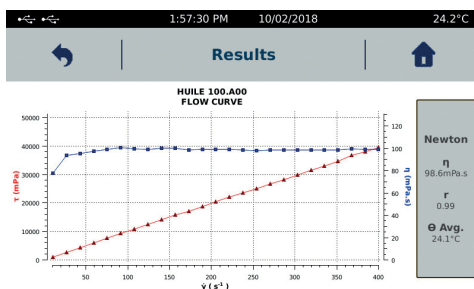
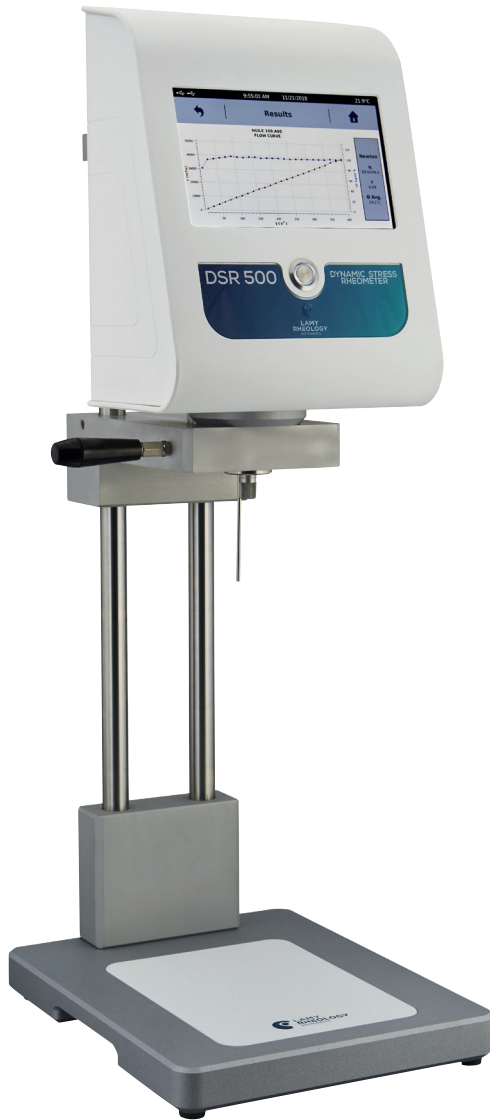


# DSR 500



## A new vision on your measurements

The rheometer with imposed shear rate or shear stress, equipped with a 7" touch screen to display the curves directly. And with direct report editing on a desktop printer, measuring viscosity or yield point has never been so easy!

## FEATURES AND BENEFITS

- Shear rate and shear stress control.
- Direct curve on display.
- Ramp programming.
- Direct analysis with regressions.
- Direct control of temperature unit.
- Huge viscosity range.
- Programming and recording method.
- Direct measure with time to stop.
- User and locked mode.
- Data recording and USB transfer.
- Torque gage on display.
- Integrated temperature probe.
- Printer connection.
- Compatible with RheoTex software.

# SPECIFICATIONS

## Type of instrument

Rotating springless rheometer with imposed speeds and 7" Touch screen

## Rotation speeds

Unlimited number of speeds between 0.3 and 1500 rpm

## Torque range

From 0.05 to 30 mNm

## Temperature

The DSR 500 has a PT100 sensor which indicates temperatures between -50 °C to + 300 °C

## Accuracy

+/- 1 % of the full scale

## Repeatability

+/- 0,2 %

## Display

Viscosity – Speed – Torque – Shear stress – Time – Temperature  
Choice of viscosity units: cP/Poises or mPa.s / Pa.s – Shear rate

## Norms

**ASTM** : D115 ; D789 ; D1076 ; D1084 ; D1337 ; D1338 ; D1417 ; D1439 ; D1824 ; D2196 ; D2243 ; D2364 ; D2556 ; D3288 ; D3468 ; D3716 ; D3730 ; D3794 ; D4016 ; D4143 ; D4878 ; D4889 ; D5324 ; D5400 ; D6279 ; D6577 ; D7394 ; D8020 ; E2975 ; F1607 ; **BS** 5350 ; **DIN** 2555 ; 3219 ; 52007-1 ; 53019-1 ; 54453 ; **EN** 302-7 ; 2555 ; 3219 ; 10301 ; 12092 ; 12802 ; 15425 ; 15564 ; **IOCCC** 2000 ; **ISO** 1652 ; 2555 ; 2884-2 ; 3219 ; 10364-12.

## Language

French/English

## Compatible measuring system

MS DIN, MS ASTM, MS BV, MS VANE, MS R, MS HT, MS ULV, MS SV, MS CP

## Compatible temperature control

EVA DIN, EVA MS-R, EVA LR-BV, RT1, RT3, CP1

## Supply voltage

90-240 VAC 50/60 Hz

## Analog output

4 – 20 mA

## PC connections

RS232 Port and USB

## Printer connection

USB Host Port  
Compatible PCL/5

## What benefits are there for you?

Save your flow curves and calculate your rheological parameters directly without computer (Plastic viscosity, flow limit, Thixotropy, Regression model according to Newton, Bingham, Casson and Ostwald) . Choose your attachment system tailored to your product constraints.

## Carry case

Included

## Options

- Software RheoTex (PN N311000 + license PN N311200)

## Dimensions and weight

Head: L180 x W135 x H250 mm  
Hardened steel stand: L280 x W200 x H30 mm  
Stainless steel rod: Length 500 mm  
Weight: 6.7 kg

## ACTIVITY DOMAINS



Food Industry



Cosmetics pharmaceuticals



Paint / ink / coatings



Chemical / petroleum products



Car industry



Building materials



Teaching



Chocolate

## AVAILABLE INSTRUMENTS :

Part Number Instrument	Designation Instrument	Viscosity range (mPa.s)
N500100	DSR 500 RHEOMETER (standard stand)	1 to 780M*
N500115	DSR 500 RHEOMETER AC115 (without stand)	2 to 90M**
N500200	DSR 500 RHEOMETER AC265 (without stand)	1 to 28M***

M for millions, K for thousand \* According to measuring system \*\* With MS HT. Not included. \*\*\* With MS CP. Not included.

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