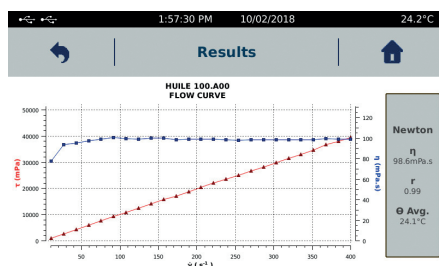


# DSR 500 CP4000 PLUS



## A rheometer to meet **your** requirements

With its motorized lift, built-in temperature control unit and all the features of the DSR500, this new cone-plate rheometer optimizes your measurements and guarantees high performance even without a computer!

## FEATURES AND BENEFITS

- Automatic lift for gap.
- Quick attachment with AC265 coupling.
- 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

Temperature range from -20°C to +300 °C (according to models)

## 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 : D4287 ; BS 3900 ; DIN 3219 ; 52007-1 ; 53019-1 ; 54453 ; ISO 2884 ; 3219 ; 10364-12.

## Language

French/English

## Compatible measuring system

MS CP

## Supply voltage

90-240 VAC 50/60 Hz

## Analog output

4 – 20 mA

## PC connections

Port RS232 and USB

## Printer connection

USB Host Port  
Compatible PCL/5

## What benefits are there for you?

Memorize your flow ramps, draw your curves and calculate your rheological parameters directly without computer (plastic viscosity, flow limit, thixotropy and rheological models: Newton, Bingham, Casson, and Ostwald). Edit your measurement reports directly on printer.

## Option

Software RheoTex (PN N311000 + license PN N311504)

## Dimensions and weight

Head: L180 x W135 x H250 mm  
CP 4000 : D610 x W340 x H650 mm  
Weight: 22 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)
N500400	DSR 500 CP4000 PLUS RHEOMETER air-air Peltier (+10 à + 70 °C)	1 to 28M for all models (according to cone plate)
N500401	DSR 500 CP4000 PLUS RHEOMETER air-air Peltier (+10 à + 70°C) with programmer*	
N500410	DSR 500 CP4000 PLUS RHEOMETER air-air Peltier (0°C à +150°C)	
N500411	DSR 500 CP4000 PLUS RHEOMETER air-air Peltier (0°C à +150°C) with programmer*	
N500420	DSR 500 CP4000 PLUS RHEOMETER liquid Peltier** (-20 à + 120 °C)	
N500421	DSR 500 CP4000 PLUS RHEOMETER liquid Peltier** (-20 à + 120 °C) with programmer*	
N500430	DSR 500 CP4000 PLUS RHEOMETER H (Amb à +300°C)	
N500431	DSR 500 CP4000 PLUS RHEOMETER H (Amb à +300°C) with programmer*	

M for millions, K for thousand

\* Allow temperature setting by RheoTex software or measuring head

\*\* Need a chiller. Not included

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