DSR 500

A **new vision** on
your measurements

The rheometer with imposed shear rate 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

- Direct curve on display.
- Shear rate and speed control.
- 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.
- Display of viscosity limits according to mobile and speed.

WHAT'S INCLUDED WITH DEVICE ?

(according to part number)

- 1 Stand for DSR500.
- 1 Touch screen stylus.
- 1 User manual.
- 1 Calibration and checking certificate.
- 1 Microfiber cloth.

AVAILABLE INSTRUMENT

Reference	Designation	Viscosity range (mPa.s)
N500100	DSR 500 RHEOMETER	1 to 780M*

*M for million / * According to measuring system (p72-79). Not included.*

SPECIFICATIONS

Type of instrument
Rotating springless rheometer with 7" Touch screen

Rotation speeds
Unlimited number of speeds between 0.3 and 1500 rpm

Torque range
From 0.05 to 30 mNm

Temperature Probe
Equipped with a PT100 sensor which indicates temperatures between -50°C to +300°C

Accuracy	**Repeatability**
+/- 1 % of the full scale	+/- 0,2 %

Display
Viscosity (cP/Poises or mPa.s / Pa.s)
Speed – Shear rate – Torque – %- Shear stress - Time – Temperature

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

Languages
French/English/Turkish/German

Supply voltage	**Analog output**
90-240 VAC 50/60 Hz	4 – 20 mA
PC connections	**Printer connection**
RS232 Port and USB	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 and rheological models: Newton, Bingham, Casson, and Ostwald).
Edit your measurement reports directly on printer.

Dimensions and weight
Head: D160 x H270 x W200 mm
Aluminium stand: L280 x W200 x H30 mm
Stainless steel rod: Length 500 mm
Weight: 6.7 kg

COMPATIBLES MEASURING SYSTEMS

MS-RV (p75), **MS-LV** (p75), **MS-BV** (p76), **MS-VANES** (p77), **MS-KREBS** (p77), **MS-SV** (p79), **MS-ULV** (p78), **MS-DIN** (p72), **MS-R** (p74).

COMPATIBLES TEMPERATURE CONTROLS

EVA LR (p60), **EVA MS DIN** (p58), **RT-1 PLUS** (p61), **EVA MS-R** (p59).

OPTIONS & ACCESSORIES +

- Carrying case **(p68)**.
- HELIPRO stand **(p66)**.
- Small volume package **(p67)**.
- THERMOCELL package **(p61)**.
- Barcode reader with stand and cable **(p68)**.
- Bayonet spindle rack **(p69)**.
- Touch screen protector **(p68)**.
- Viscosity standards oil **(p69)**.
- Dymo printer **(p68)**.
- RheoTex software **(p64-65)**.
- External temperature probe -50°C to +300°C **(p69)**.