



Wide range rotary viscosimeters “STS-2011”

MODEL WITH TEMPERATURE READOUT AND SHEAR RATE MEASUREMENT.

FEATURES

10 different options of language.

L.C.D. display of parameters and results.

Parameters display:

- Selected speed r.p.m.
- Selected spindle
- Viscosity result cP (mPa-s) or cSt
- Base scale percentage %
- Sample temperature: °C or °F
- Deformation ratio (with special spindle)
- Torsion force (with special spindles)
- Density
(input by the user) g/cm³.

This instrument determines both relative and absolute viscosity.

Data can be changed between S.I. and C.G.S.

Automatically checks for correct operation point by scanning at different speeds.

Auto alarm in the case of any fault being detected.

Off scale detection and indication by an audible and visual signal.

Step controlled speed to prevent spindle vibrations.

Calibration by the user himself.

18 preselected speeds from 0.3 a 100 r.p.m.

The operator can select any speed within this range.

USB port.

Mains power surge protection.

10 memoirs of working programs.

TECHNICAL DATA

Temperature range:- from 0.0 °C to + 100.0 °C

(+ 32.0 °F to + 212.0 °F).

- Resolution °C: 0.1 °C (0.1722 °F).

- Precision °C: ± 0.1 °C.

- Probe type: Pt 100.

Direct results in cP (mPa-s) or cSt.: models STS-2011 L & R.

Direct results in Poise (Pa-s) or St.: model STS-2011 H.

Precision: ±1% base scale.

Supplied complete with:

- Anti shock carry case.
- Main unit.
- Support base.
- Spindle protector.
- Spindle support.
- Set of spindles (model dependant) (see table).



MODELS	Part No.	Measuring range	Standard spindles	Power requirement	Power W	Weight Kg
STS-2011 L	1001611	20 to 2.000.000 cP	L1, L2, L3, L4	100-240 V 50/60 Hz	15	5
STS-2011 R	1001612	100 to 13.000.000 cP	R2, R3, R4, R5, R6, R7	100-240 V 50/60 Hz	15	5
STS-2011 H	1001613	200 to 106.000.000 cP	R2, R3, R4, R5, R6, R7	100-240 V 50/60 Hz	15	5

ACCESSORIES

Standard **spindles** for L model.

L1 Part No. **1001036**

L2 Part No. **1001037**

L3 Part No. **1001038**

L4 Part No. **1001039**

Standard **spindles** for R and H model.

R1 Part No. **1000990** (for low viscosity samples)

R2 Part No. **1001070**

R3 Part No. **1001071**

R4 Part No. **1001072**

R5 Part No. **1001073**

R6 Part No. **1001074**

R7 Part No. **1001075**

Small sample volume adapters (APM).

Suitable for sample volumes from 8 to 13 ml.

Requires the “TL” or “TR” set of spindles.

Unit suitable for temperatures from 0 °C to +100 °C.

Part No. **1000986** Small sample adapter APM with water jacket.

Part No. **1001623** Temperature sensor suitable for APM.

Special Spindles

Part No. **1001224** set of spindles TL5 – TL6- TL7 for models L.

Part No. **1001225** set of spindles TR8 - TR9 - TR10 - TR11 for models R and H.

Low viscosity adapters. (LCP).

Required if low viscosity measurements are necessary.

Reproducible results and measurements of viscosity from 1 cP.

Suitable for models L and R.

Sample volume: 16 to 18 ml.

Includes special spindle LCP.

Part No. **1000985**. Adapter LCP with water jacket.

Part No. **1001624** Temperature sensor suitable for LCP.

Displacement spiral helix adapter.

Required for low fluidity samples.

Part No. **1000988**



Spindle R1



Part No. **1000985**



Part No. **1000986**



Part No. **1000988**