



## Temperature control equipment for viscosity measurements for viscometers “ST-2020” and “STS-2011”

The influence of temperature while measuring viscosity is considerable, lower temperatures increase viscosity. Therefore it is indispensable to control temperature when precise viscosity measurements are required. The control of temperature by using a thermostatically controlled bath is the most efficient, because of the re-circulation of liquid produces a rapid and stable temperature.

We recommend our range of immersion thermostats for this application.

### TEMPERATURE CONTROL AND CONFIGURATION

#### FOR VISCOSITY MEASUREMENTS:

**FRIGITERM-10** Part No **6000382**, **FRIGITERM-30** Part No. **6001091** or **DIGIT - COOL** Part No **3001373**, suitable for below ambient working environments (see page 97 to 99 for specifications).

For temperatures above ambient see the **DIGITERM-100** Part No. **3000542**, or **DIGITERM-200** Part No. **3000613** complete with 12 litre tank Part No **6000391**, (see pages 96 and 97 for specifications).

An adapter kit for the thermostat bath is required Part no. **1001625**.

This kit adjusts the bath measuring height to enable samples to be placed inside. Part No **1001625**, Adapter for thermostat bath comprising of an extension spindle and 4 leg adjusters for the bath. (Kit can be fitted by the user.)

Part No. **1001627**. Support for 2 500 ml beakers, to be placed inside the bath.

Part No. **1001628** Support base for the **DIGITERM** immersion thermostats. This accessory is recommended to close the bath and maintain a constant temperature.

#### CONSTANT TEMPERATURE CONTROL ACCESSORY FOR SMALL SAMPLE VOLUME ADAPTERS. USE WITH THE RE-CIRCULATING JACKET ACCESSORIES. PART NO. 1000996

To work below ambient temperatures, we recommend the use of the **FRIGITERM-10** Part No. **6000382**, or **FRIGITERM-30** Part No. **6001091** (see page 97 for specifications.)

It is necessary to configure the immersion thermostats for “external re-circulation.” The Bath adapter kit is not required.

For temperatures above ambient see the **DIGITERM-100** Part No. **3000542**, or **DIGITERM-200** Part No. **3000613** complete with 12 litre tank Part No. **6000391**, (see pages 96 and 97 for specifications).

#### OIL STANDARDS

Certified known viscosity standards, suitable for calibrating rotary viscometers. Comes complete with official certificate.



*Frigiterm thermostat bath with adapter kit Part No. 1001625, fitted with a rotary viscometer.*



*Support for 2 beakers Part No. 1001627*

*Digiterm thermostat bath with support base Part No. 1001628, 12 litre bath Part No. 6000391 and adapter kit Part No. 1001625. To be used with a rotary viscometer and beaker support Part No 1001627.*



*Immersion thermostat Digiterm controlling temperature of viscometer.*



## Rotary Viscometer “NDJ-1”

### APPLICATIONS

The instrument operates by rotating a disk or cylinder, (spindle), that is submerged in the liquid or fluid to be analysed. A pre-selected speed is set, the unit measures the absolute resistance from viscosity of the fluid being analysed. Suitable for samples such as: foods, cosmetics, fats and oils, pharmaceutical products, paints and plastics, etc.

### FEATURES

The asynchronous motor is connected to a graduated disk with 4 different speeds that propel the spindle via a spiral and die.

Supplied complete with a set of 4 spindles in a box, numbered 1 to 4 with spindle stand.

The viscometer includes a level and adjustable screw feet support base and protective case.



| MODEL | Part No. | Measuring range | Tolerance          | Spindle Speed r.p.m. for 1 to 4 | Power W | Weight Kg |
|-------|----------|-----------------|--------------------|---------------------------------|---------|-----------|
| NDJ-1 | 5120230  | 10-100.000 mPaS | ±5% Liquid Newtons | 6 - 12 - 30 - 60                | 15      | 6         |