

# Thermosel<sup>®</sup>

for Elevated Temperature Testing



**Compatible** with standard AMETEK Brookfield Viscometers and DV3T Rheometers  
 Note: requires optional cable DVP-141

**Provides control** of sample temperature up to +300°C

**EZ-Lock Option**  
 Thermosel is now available with special EZ-Lock spindle coupling for use on standard AMETEK Brookfield Viscometers/Rheometers already equipped with the EZ-Lock feature

**Temperature Ramping**  
 between set points is possible if used with RheocalcT (DV3T & DV2T) Software  
 Note: Requires optional cable HT-106

**Thermo Container**  
 (Heating Chamber)

**Computer Controlled** when used with DV2T or DV3T and RheocalcT Software (HT-106 cable required)

**Programmable Temperature Controller** offers single set point or up to 10 programmable set points.

**Direct Temperature Control Possible** with DV2T/DV3T Rheometer (p20)



## What's Included?

- Choice of one SC4 Spindle  
Specify when ordering
- Alignment Bracket
- Thermo Container with safety guard and insulating cap
- 1 Removable Sample Chamber (p47)
- 5 Disposable Sample Chambers (p47)  
Order additional chambers in quantities of 100, HT-2DB-100
- 18" Lab Stand Rod (p35)
- Extracting Tools
- Temperature Controller with an RTD probe

## Applications

- |           |                      |
|-----------|----------------------|
| Hot Melts | Asphalt (ASTM D4402) |
| Wax       | Polymers             |

The difficulty with viscosity measurements of hot melts and liquids at elevated temperatures has been in maintaining accurate temperature control that is consistent from sample to sample so that meaningful data could be obtained.

The AMETEK Brookfield Thermosel solves this problem by providing a stable, precisely controlled sample environment. This, together with the inherent accuracy of the AMETEK Brookfield Viscometers, is fundamental to the Thermosel System, which produces viscosity measurements that are not only accurate but entirely reproducible.

**Several factors contribute to the stable environment:**

Non-fluctuating temperature control

Small sample volume and insulated sample chamber which reduces temperature gradients within the sample

The rotating spindle, which acts as a built-in stirring device

The test procedure is quite straightforward. Once familiar with the system, unskilled operators can easily produce accurate, reproducible data.

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