



"Tomorrow's Instruments... Today"™

Scanning Brookfield Plus Two SB+2

Multi-purpose Low Temperature Bath



MRV-TP1 Module



Brookfield Viscosity Module



Kinematic Viscosity Module



Pour/Stable Pour Point Module



Scanning Brookfield Module

The SB+2 bath is a descendant of the very first low temperature scanning device developed by Savant Laboratories in the early 1980's. The bath was primarily used in the development of the viscosity-temperature scanning technique known as ASTM D 5133.

The versatility of the SB+2 bath stems from its broad cooling range, both manual & automatic temperature control, the incorporation of a viewing window and five easily replaceable bath covers (Insert Modules). The bath now serves as a cooling source for seven different low-temperature test methods -- making it a cost effective instrument for today's demanding lab schedules.

TANNAS CO.

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Scanning Brookfield PlusTwo

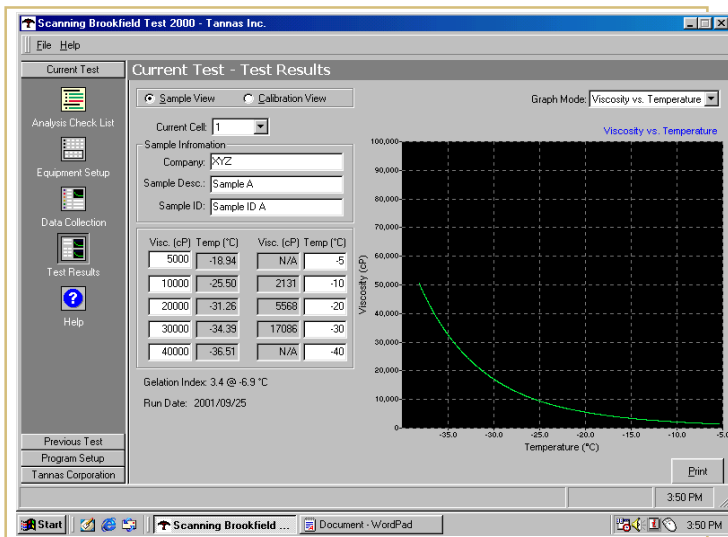
- Versatile liquid bath for analyzing lubricants and fluids meeting numerous low temperature test methods
- Easily replaceable Insert Module for each test
- Programmable & Manual bath temperature controls
- Self-contained refrigeration system capable of cooling to -70°C
- Only instrument to generate *Gelation Index* & Gelation Index Temperature according to ASTM D 5133 and D 7110 methods
- Designed for use with patented SimAir[®] Test Cell for Brookfield D2983 testing
- Ideal for low-temperature work with: fresh, sooted, highly oxidized oils, ATFs, and fuels

Dimensions	Bench-top 19"(w) x 24"(d) x 27" (48 x 61 x 69 cm)
Weight	~190 lbs. (86 kg)
Voltage	120 VAC, Single Phase, 60 Hz (Also available in 220VAC and 50 Hz)
Cooling Capability	Two-stage cascade refrigeration system Approximately $+30^{\circ}\text{C}$ to -70°C and below
Bath Control	Programmable: $\pm 0.1^{\circ}\text{C}$ Manual: $\pm 0.03^{\circ}\text{C}$
Bath Medium	Methanol is recommended (depending upon temperature)
Test Methods	Viscosity-Temperature Scanning Technique (D5133, D7110) Brookfield Viscosity (D 2983) MRV-TP1 (D 4684) Kinematic Viscosity (D 445) Pour Point (D 97) Stable Pour Point (FTM 203C)
Safety	High temperature Cut-out Low Liquid Level Cut-out CE Marked

The two most recognized applications of the SB+2 are the Scanning Brookfield Technique (D 5133 & D 7110) and the Brookfield Viscosity Test (D 2983).

The Scanning Brookfield Sample Report screen shown here has real-time viscosity/temperature graphing and reporting over the selected temperature range and generates the *Gelation Index* and Gelation Index Temperature at the end of the test.

The use of the patented SimAir[®] Test Cell allows the SB+2 to be held at a constant temperature during the 16-hour soak period of the Brookfield D2983 test. This provides greater versatility, increased sample through-put and improved precision over air baths and programmable liquid baths.



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