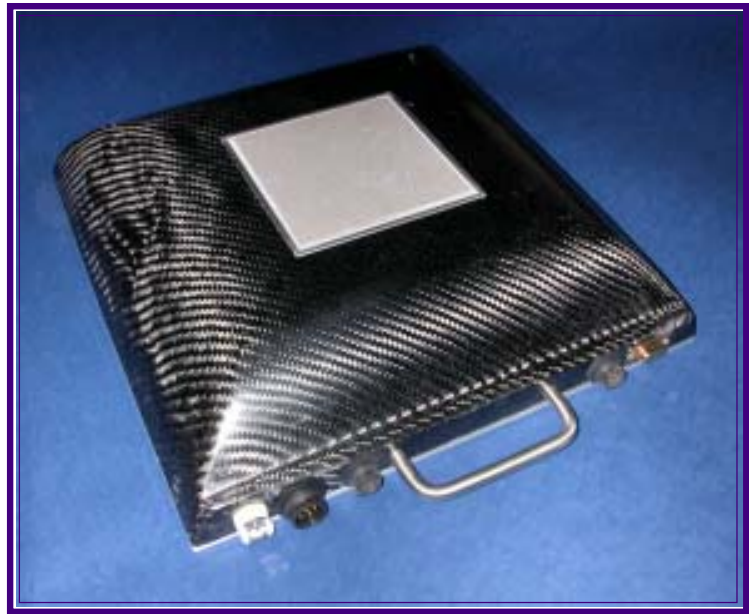


ST-2 Comfort Test System

- 12" x 12" with rounded test surfaces.
- Central measuring zone with embedded porous metal sweating and computerized fluid flow.
- Ultra-stable resistance wire heating provides uniform heat flux.
- Backside isothermal guard with heating and cooling capability.
- Carbon-epoxy composite shell is heated to function as both measuring zone and guard.
- Custom specifications available, including size and location/number of sweating inserts.
- System includes a PC Pentium computer and monitor with exclusive ThermDAC control software. This intuitive, user-friendly, Windows-based application provides full thermal control, fault detection, real-time data display, and data logging capabilities.

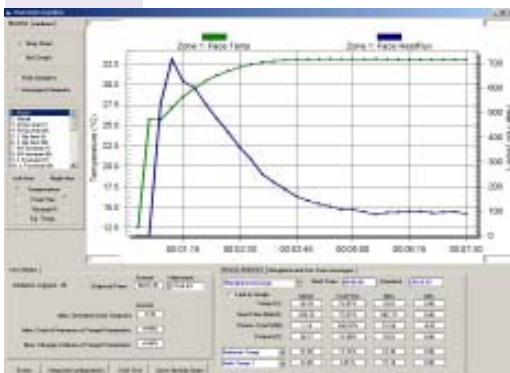


Measurement Technology NW has developed the innovative, single zone ST-2 Comfort Test System to support in-house development of testing procedures and to help evaluate more advanced thermal instrumentation tests.

The ST-2 can be used on seat backs or cushions to quickly evaluate the thermal properties and moisture management characteristics of automobile seat materials. The ST-2 can be easily positioned on different seat regions to evaluate the effects from different coverings or internal seat construction. Ruggedly made, it is designed to support the weight needed to simulate seat compression.

This lightweight, portable, carbon-epoxy unit contains one thermally controlled porous metal sweating insert, two miniature ambient temperature/humidity sensors useful for measuring interface microclimate conditions, and a computer-controlled fluid supply system that simulates metabolic perspiration levels. The ST-2 system is accurate to $\pm 0.1^{\circ}\text{C}$, and includes MTNW's exclusive PC-based ThermDAC control system.

MTNW provides technical support via phone, fax, or e-mail on product operation, data analysis, and equipment maintenance.



Instruments for Textile and Biophysical Testing

