

Ampro Extended Temperature Testing of Boards

Your assurance that Ampro products will function in extreme temperatures

Ampro provides optional Extended Temperature Testing to our customers for most Ampro products. By testing each unit in production, the Extended Temperature Test verifies that all boards will operate and function at temperatures from -40° to $+85^{\circ}\text{C}$.

Ampro uses a leading-edge custom-designed modular card cage system in a state-of-the-art Thermotron environmental chamber to test Ampro products over the entire extended temperature range. This leading edge design is fully automated and utilizes custom-designed test software.

100 Percent Ampro Quality. Each Ampro product is fully functionally tested during the entire range of extended temperature operation. Using the custom-designed application user interface, the board's test results are scanned into a database. This data is used for internal quality assurance audits. Customers who require this level of detail may request summarized test results. Each board is integrated with an Ampro MiniModule, which allows consistent controlling and monitoring of each board during the functional test.

All boards are ramped to the specific temperature profile and soaked before power is applied. This ensures that the BIOS properly initializes all hardware and the boards are ready for diagnostic testing. This process distinguishes Ampro from other companies that rely on a single power cycle while testing at extended temperatures. Ampro identifies each board that passes testing with a label that indicates the boards fulfill Ampro's stringent quality standards.



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