Panasonic CONNECT

TOUGHBOOK®

TOUGHBOOK HEAT RESISTANCE TESTING

Panasonic Devices and Heat Testing

Panasonic has always designed and tested its mobile computers to withstand a wide range of extreme conditions including heat. Panasonic devices are typically certified to over twenty different MIL-STD tests. Understanding some of the current disinfecting solutions being introduced to the market, the following three are most relevant. All of these MIL-STD tests were conducted and have been certified by an independent lab.

- **High Temperature Storage Test (Method 501.7, Procedure I)**
  Units are powered off while in heat chamber. Cyclic test, repeating every 24 hours over 7 days.
- **High Temperature Operation Test (Method 501.7, Procedure II)**
  Units are powered on while in heat chamber for 2 hours at constant temperature.
- **Temperature Shock (Method 503.7, Procedure I)**
  Units are powered off while in a heat chamber for 1 hour, then transferred to a -60°F cold chamber for 1 hour.



Test	56	40	33	G2
High Temperature Storage	160°F	160°F	160°F	160°F
High Temperature Operation	145°F	145°F	145°F	145°F
Temperature Shock	160/-60°F	200/-60°F	200/-60°F	200/-60°F

Panasonic Devices and Disinfectant Sprays

In addition, Panasonic rigorously tested these devices against prolonged use of disinfectant wipes. For more information, please refer to the Panasonic Cleaning and Sanitizing brochure, Panasonic user manual and instructions from the disinfectant manufacturer.

Conclusion

Panasonic is committed to providing the most durable and reliable mobile computing solutions. Panasonic cannot warranty the impact over prolonged use or excessive exposure, but has rigorously tested these devices against heat, disinfectant sprays as well as many other rugged tests. For specific questions regarding warranty or heat resistance please contact your Panasonic Account Team.

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