

Giga-tronics Instruments: Fan Filter Cleaning and Maintenance Procedure

Technical Brief



Test and Measurement equipment must always receive adequate ventilation for cooling. Proper cooling is required for the instrument to meet its specifications, as well as to avoid the adverse effects of overheating. Periodic instrument routine maintenance should always include inspecting and cleaning the fan filter.

Reasons for Keeping the Fan Filter Clean:

- Unobstructed air flow is required for proper ventilation and cooling
- Instrument specifications are only guaranteed with proper ventilation and cooling
- Overheating may occur if the fan filter becomes clogged
- Overheating may damage or shorten the life of critical components
- Overheating may cause the instrument to shutdown, or become inoperative

It is recommended that the fan filter be inspected and cleaned once every two years, and more frequently in dusty environments.

Cleaning the fan filter:

- 1) Remove the fan guard and fan filter.
- 2) Vacuum the fan filter to clean it.
- 3) Replace worn-out or damaged fan filters.
- 4) Re-install the fan filter and fan guard.

In the event that an issue is encountered, Giga-tronics Technical Support can provide further assistance. Please visit our website (www.gigatronics.com) and complete the form under *Troubleshooting* in the *Support* Menu to request a call: <http://www.gigatronics.com/support-resources/troubleshooting> or send an e-mail to: support@gigatronics.com.

