



Metrics Win4145 General Information

Metrics Win4145

Version 4.5

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General Information

This Guide provides basic information regarding the Metrics Win4145 software. For additional information please refer to the other manuals installed, including the Getting Started Guide, Migration Guide, and Technical Reference.

What's New – Metrics Win4145 Version 4.5

- Added additional 5 and 6 terminal BJT and MOS devices to setups
- Added support for long paths and filenames in all areas of the UI
- Changed selection of File->Import and Export file to Windows FileManager
- Increased number of data vectors in data view to 100 vectors and 10001 points view now only displays actual filled data vectors to support efficient scrolling of long data arrays.
- Enhanced “Sync to Excel” added to Options->Workspace settings to allow auto synchronization of data view to MS Excel worksheet. Multiple data views are synced to tabs in Excel workbook.
- Added auto-column width for Data View spreadsheet windows.
- Updated File “Save As” dialogs to display the “Save” button instead of “Open”
- Added License # field to Help menu “About” dialog box to display current license number being read from the USB security key.
- Increased width of GPIB “Communications Log” window and increased length of log file to aid in technical support and troubleshooting communication problems.

Instrument Support

The following is a list of all of the instruments supported by Metrics Win4145 version 4.4.

HP (Agilent)	4145A	Semiconductor Parameter Analyzer
HP (Agilent)	4145B	Semiconductor Parameter Analyzer

Metrics Win4145 4.5 Requirements

Metrics Win4145 version 4.5 requires a PC that meets or exceeds the following requirements. Installation on PC's not meeting these minimum requirements negates any support liability on the part of Metrics Technology.

MINIMUM SYSTEM REQUIREMENTS

2.4 GHz Core i5 Processor (or equivalent)

4 GB RAM

Windows 10 Professional, 32-bit or 64-bit

500 Mbyte available for product installation, plus additional 10 GB capacity for test data

1 USB port (USB->GPIB supported interfaces)

SXGA Monitor (1280 x 1024) minimum resolution

RECOMMENDED SYSTEM REQUIREMENTS

2.4 GHz Core i5 Processor (or equivalent)

16 GB RAM

Windows 11 Professional, 64-bit

500 Mbyte available for product installation, plus additional 50 GB capacity for test data

1 USB-A port (USB->GPIB supported interfaces)

SXGA Monitor (1600 x 1200) minimum resolution

SUPPORTED GPIB INTERFACES

One of the following GPIB cards and the listed software:

PCI

NI GPIB-PCI NI-488.2 Software version 2026 or later

Agilent 82350 A/B Agilent SICL I/O Libraries version 2026 or later

USB

NI GPIB-USB-B/HS NI-488.2 Software version 2026 or later

Agilent 82357 A/B Agilent SICL I/O Libraries version 2026 or later

NOTE: Metrics Technology, Inc. does not provide GPIB hardware or software so please visit the appropriate vendor site for purchase or software driver updates.