

Agilent M918X Signametrics Compatible Release Notes

This software driver provides a mechanism for customers to use Agilent M918X DMMs in their existing test systems that were designed around the Signametrics SMX206X DMMs.

With this driver:

- Agilent M918Xs can be loaded into existing test systems designed for the Signametrics SMX206X series.
- Agilent M918Xs can be controlled through the Signametrics API.
- You can use Agilent M918Xs with software written for SMX206Xs, such as the Signametrics Soft Front Panel included with the release.
- You can use Agilent M918Xs and Signametrics SMX206X in the same system, controlled by the same software.

However, the following is **not** supported:

- You cannot store calibration data onto the EEPROMs of M918Xs.
- You cannot run SMX206X DMMs through the Agilent front panel.
- You cannot use the Agilent API (AgM918x IVI driver) to access SMX206X DMMs.
- No accuracy specifications are guaranteed for functions not available on the M918X (VAC Source, inductance).
- Six-wire guarded resistance measurements are not supported on the M918X DMMs.
- You can not run programs using the M918X Signametrics Compatible driver and the AgM918x IVI driver at the same time.

Versions

The version of the M918X Signametrics Compatible driver is indicated in the .zip file name M918x_SignametricsCompatible-2.xx. The same version number can be obtained from the SM2060.dll (right click -> properties -> details). Also, the API call DMMGetVer will return the same value.

Version 1.70

This version is not a release of the M918X Signametrics Compatible driver, it is the final release of the Signametrics SM/SMX206X series API and the final Signametrics version of the SM2060.dll. This release uses the windrvr kernel driver, not the agilent visa kernel driver. This, along with other differences, makes it incompatible with a system that has the AgM918x IVI driver installed. This version does not recognize Agilent PXI DMMs, only the Signametrics DMMs.

Version 2.13.

* Initial release of M918X Signametrics Compatible Driver

- * Conversion of the SM2060.dll library to work with the agilent visa kernel driver
- * added SMX206X.inf, SMX206X.sys for loading the visa kernel driver
- * Supports the Agilent M9181, M9182, M9183 in addition to the Signametrics SM2060, SM2064, SMX2055, SMX2060, SMX2064
- * Numerous bug fixes, incremental changes related to the M918X development process.

Release 2.18

- * Added a working Signametrics style soft front panel to the release. This panel opens Agilent and Signametrics DMMs.
- * Fix a bug where repeatedly opening/closing instruments in Labview caused DMMs to be left in an open state, making them impossible to access without exiting labview.
- * DMMIsInitialized fixed. Previously only recognized an initialied dmm if that dmm was initialized by the calling process.
- * Include AgM918XA.inf in this release, so customers using the Signametrics Compatible can install device drivers for M918XAs without running the AgM918x installer (Agilent IO Libraries still required).

Release 2.19

- * fix bug where the value set by DMMEnableMessages got reset during DMMInit.
- * fix bug where a DMM that needs calibration fails to initialize.