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Version C30 Firmware Release Notes

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General Information

Supported models

This firmware is used on the following Keithley Instruments product models:

6430

Installation instructions

Download the following from the [Keithley Support Website](http://www.tek.com/support) (<http://www.tek.com/support>):

- Keithley Flash Wizard program (if you don't already have this)
 - Unzip the files in a folder of your choice and then run the "setup.exe" program.
 - Follow the instructions to install the program.
- The firmware revision image file you want to install on your Model 6430 instrument

Perform the following steps to install the firmware revision onto the Model 6430 instrument:

1. Run the Flash Wizard program.
2. Select the appropriate interface at the Communications Select screen and follow any subsequent instructions.
3. Ultimately the program should auto-detect the 6430.
4. You will then be asked to specify the firmware file.
5. The upgrade proceeds from there.

It typically only takes a few minutes using the GPIB interface.

[Contact Keithley](http://www.tek.com/company) (<http://www.tek.com/company>) if you have any problems.

Upgrade considerations for Model 6430

The following table outlines the considerations that should be made when deciding to upgrade to this version or not from any previous version.

Consideration	From C29
Recalibration Required	No
Re-qualification Suggested	Yes ¹
Should you upgrade?	Review ²

¹ New firmware should be evaluated in user application

² Review the list of changes made in this version and all versions in between your current version and this version. Upgrade if any of the fixes or enhancements are desired.

Version C30 Release

Overview

Update firmware to reflect reference voltage changes.

Critical Fixes

Models Affected:

6430

Symptom:

A new 7V reference is being used, rather than the original 6.2V reference.

Resolution:

The firmware has been updated to use the new reference.

Enhancements

There are no enhancements in the C30 release.

Non-critical Fixes

There are no non-critical fixes in the C30 release.

Known Issues

There are no known issues in the C30 release.

Version C29 Release

Overview

C29 was an internal engineering release.

Version C28 Release

Overview

Critical Fixes

PR42814 Models Affected:

6430

Symptom:

Unit may give +822, “compliance too small for sense range” errors when using compliance range sync feature.

Resolution:

The issue has been resolved.

PR42815 Models Affected:

6430

Symptom:

Unit may become unresponsive if over-voltage protection is tripped.

Resolution:

The issue has been resolved.

PR 42816 Models Affected:

6430

Symptom:

Unit may report false over-temperature condition.

Resolution:

The issue has been resolved.

Enhancements

There are no enhancements in the C28 release.

Non-critical Fixes

There are no non-critical fixes in the C28 release.

Known Issues

There are no known issues in the C28 release.