

Introducing

Kaye Validator® Version 3.50



Benefits

- USB Disk storage for qualification studies, setups & Firmware upgrade
- USB communications port for PC connectivity
- New Graphing Engine - Perform all graphing within validated environment
- Enhanced Reporting Software enabling post study event marking & analysis
- Report Templates - Ability to save report style/setup as template for easy reporting
- Network Installation - Provides automatic collection, synchronization, and backup of data files, passwords, and Audit trail from multiple PC's to centralized network folders
- Independent Report Wizard that enables reporting on all Kaye products (Validator, Valprobe & RF Valprobe)
- Other important features like Audit trail, Security & Calibration
- Calculation of Mean Kinetic Temperature in Reports



Hardware Features

Feature	X2000	X2005	X2010
PC Connectivity	RS232	USB & RS 232	USB & RS232
Data Storage	Floppy	Floppy	USB & Floppy

Graphing Features

Feature	Software 2.XX	Software 3.5
Graphing	Limited graphing during qualification and Reporting	Powerful graphing tool during reporting with Report Wizard (RW)
Graphs	Maximum of 6 sensors per group and max. 800 samples	Graph showing all sensors and sample through a complete run
Define Cycles	Report only for pre-defined Start and Stop conditions	Define your own cycles for the report
EN - reporting	Only when defining extra events and verification manually	Direct EN - criteria report with PASSED or FAILED clearly shown
Equilibration Time	Only when defining extra events and verification manually	Choice of 15s or 30s with time, clearly stating passed or failed



Reporting Features

Feature	Software 2.XX	Software 3.5
Groups	Up to 4 groups possible	Up to 25 groups during reporting
Time above/below	Not available	Report shows time above/below a defined temp for each sensor in group
Column Layout	Cannot be changed	Can be defined individually during reporting with Report Wizard and also Compressed Data report to save paper
Customize Header and Footer	Cannot be changed	Can be defined individually during reporting with Report Wizard
Reporting	Cannot save Template	Save, edit and reprint report templates
Reporting	Can be accessed by everybody	Must have a user account to create reports
Amount of Sensors	Limited to 36	Expand Sensors per study up to 200 during reporting
Need more then 36 sensors	Separate qualification reports	Allows merging Data in one Report of multiple V2k runs
Qualification with V2k and ValProbe	Separate qualification reports	Allows merging VP and V2k data in ONE report
Search for Reports	Need to search manually under File Selection screen	Several search functions to locate a run
Audit Trail Report	Only be accessible by Administrator	Now under Create Reports, visible for each user
PDF Reports	Only possible if full Adobe Acrobat Version installed	GEPDF writer installed to create pdf from each report



Additional Features

Feature	Software 2.XX	Software 3.5
Network installation	Only local installation	Local or network installation
Data directory	Fixed default data directory to store files	Default data directory can be changed
Password synchronization	Need to backup and restore users on each PC	Synchronized with network installation
Audit Trail	Individual Audit Trail for each PC installation	Synchronized with network installation
PC Communication	Only with RS 232	USB or RS232 possible if V2k has USB port (standard in new units)
Temperature Range	Max 500°C with type K thermocouples	Max. 1400°C with type K thermocouples
Password Maintenance	Hidden Access	Direct access from the Main Menu
User Rights	Rights are pre-defined and fixed for user	Additional rights can be assigned to default user
Calibration Reminder	Not available	Software reminds you automatically when recalibration is due
Company Name	Need to edit a special file to change	Change the Company Name on Reports now under Preferences
IRTD stability	Fixed to 0.012°C for the positive calibration temperatures	Admin can allow changing the IRTD stability from low limit of 250°C
Calibration Points	Fixed, as defined in the Setup	Independent calibration/calibration verification set points
Identification entry	Not visible, shows only *** and can be wrong	Possibility to display User ID during entry to avoid incorrect login (e.g. Caps Lock)
Data storage for long runs	Need to insert new floppy if required	Data stored on floppy is compressed; normally no need to replace floppy



Frequently ask Questions

What kind of changes is implemented with version 3.50?

Hardware and firmware changes necessary to support USB drive are implemented. GE Sensing personnel can do upgrades of existing equipment at the factory or on-site.

Can the data be stored in parallel on floppy disk and USB disk?

No. You need to select if you want to store data on floppy or on USB disk but not both.

Where can I select if I want to chose between USB or floppy?

By default the data storage is set to USB. You need to login on the Validator instrument using the blue security button. On the "Password Operations" screen you can then select which disk you want to use.

Can I disable the Validator disk recording?

Yes. You can disable this as in previous versions under "Site Defaults" of the Software. This will disable the disk recording no matter which one has been selected on the V2k (floppy or USB stick).

Does Version 3.50 firmware run on older Validators (X2005) without the USB data port?

Yes. Customer has to login at the V2k directly to change to floppy disk storage each time the V2k is restarted as by default Firmware is set to write to USB when the V2k is started.

Can older versions of firmware (less than 3.5) be run on X2010 (Version 3.5 hardware)?

Yes. But USB disk data storage will not be supported on older versions. Refer to our Software help for instructions.

Will the V2k floppy drive stay?

We plan to keep floppy drive available right now. But we might decide in the future to remove it.

Which kind of USB stick can I use?

It should work with all kinds of USB stick you can get from stores as long as it is USB 2.0.

Are there any special USB drive/stick requirements for use with Validator?

No. Any commercially available USB 2.0 compatible drives can be used. We suggest you to defragment the USB drive before using it for a Qualification for the first time. We recommend keeping the USB stick use dedicated for Validation studies/setups.

Look under Windows\System32 for **dfrg.msc**. Double click to start the application. Select the USB drive, check the Status (click "Analyze") and Defragment if recommended.



Are there any precautions to take when performing very long Qualification runs?

Enable data storage and use a formatted USB disk on the Validator before starting the run.

Can I use a Validator with Firmware 3.50 together with Software older than 3.50?

Using older Software together with a Validator running Firmware 3.50 the Software will try to connect but finally will show you a message that Communication is not working. Firmware 3.50 requires Software 3.50.

Is the rewrite report to Floppy / USB function on V2k still available?

If the V2k was not switched off after the run and no memory errors occurred this function is still available. You can even switch in between the 2 medias to rewrite the report. For example: if the run was made on floppy and now you want to rewrite the run to USB. Login to the V2k, change to USB storage and rewrite the run to USB.

What about IQOQ protocols?

We can provide

- full IQOQ protocols 3.50
- addendum 3.50 coming from version 3.x (takes approximately a day to accomplish)

For older versions we recommend to execute the full IQOQ.

Coming from 2.33 it is also possible to do the addendum 3.12 and then the addendum 3.50 from version 3.x but would be the same time and effort as the full IQ/OQ.

For IQ/OQ execution along with upgrade on- site, please contact our customer care team or your Account Manager

IQOQ: What about customers updating to Version 3.50 but not updating the Hardware of their Validator?

There is no special addendum for this scenario. The existing addendum 3.50 from version 3.x is for customers upgrading the Hardware and software to 3.50. We recommend executing the separate Report Wizard OQ only.

