



## QUALITY ASSURANCE PRODUCT CERTIFICATION

The Quality Assurance Department has evaluated the product identified below. The product has been approved for release.

<b>Product:</b>	<b>Kaye Validator AVS</b>
<b>Version:</b>	<b>1.2.3 Software English</b>
<b>QA Approval:</b>	<b>Ralf Wottrich, Irina Fuchs, Harjinder Singh</b>
<b>Date:</b>	<b>22 June 2017</b>
<b>QA Debug / Work Days</b>	<b>10 days</b>

### Evaluation Method:

New QA Test Plan and Test Cases were written and executed:

- EDN 524 Kaye Validator AVS 1.2.3 Test Plan Rev A
- EDN 524-A Appendix to Kaye Validator AVS 1.2.3 Test Plan Rev A
- EDN 525 Kaye Validator AVS 1.2.3 Upgrade Test Case Rev A

EDN 525 Kaye Validator AVS 1.2.3 Upgrade Test Case Rev A focused on testing of the following:

- Defect Fixes
  - Defect 2325 - Garbage data and undefined relay events are displayed in Reports for Qual study when Exposure Stop condition is set to Exp Time and Qual start, Exp Start and Qual
  - Defect 2352 - Garbage data is displayed in Reports for Qual study when sensor type is configured as TC (0.1).
  - Defect 2327 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to exposure cycle and Exp Start/End when configured as Cycle
  - Defect 2328 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to Entire cycle and Exp Start/End when configured as Cycle Time
  - Defect 2329 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Entire cycle and Exp Start/End
  - Defect 2331 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to Entire Cycle in the below defined setup.
  - Defect 2332 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to Exposure Cycle in the below defined setup.
  - Defect 2333 - Discrepancy in total ALeth value in Summary and Detailed report when Lethality is defined to Exposure Cycle in the below defined setup.
  - Defect 2334 - Discrepancy in total ALeth value in Summary and Detailed report when Lethality is defined to Entire Cycle in the below defined setup.
  - Defect 2335 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Exposure Cycle and Exp Start/End when configured as Manual and Qual Start/Stop configured to manual.
  - Defect 2336 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Entire Cycle and Exp Start/End when configured as Min Temp Condition and Qual Start/Stop configured to Temp Condition.
  - Defect 2337 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Exposure Cycle and Exp Start/End when configured as Min Temp Condition and Qual Start/Stop configured to Temp Condition.
  - Defect 2338 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to Exposure Cycle in the below defined setup.
  - Defect 2339 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Exposure Cycle and Exp Start as Manual and Expo End configured as Exp Time and Qual Start as Manual and Qual Stop configured to Cycle time.
  - Defect 2340 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Entire Cycle and Exp Start as Manual and Expo End configured as Exp Time and Qual Start as Manual and Qual Stop configured to Cycle time.
  - Defect 2341 - Discrepancy in total ALeth value in Summary and Detailed report when Lethality is defined to Entire Cycle in the below defined setup.
  - Defect 2342 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Entire Cycle and Exp Start as Cycle Time and Expo End configured as Exp Time and Qual Start as Manual and Qual Stop configured to Cycle time.
  - Defect 2343 - Discrepancy in total ALeth value in Summary and Detailed report when Lethality is defined to Entire Cycle in the below defined setup.



- Defect 2344 - Discrepancy in total ALeth value in Summary and Detailed report when Lethality is defined to Exposure Cycle in the below defined setup.
- Defect 2345 - Discrepancy in total ALethality value in Summary and Detailed report when Lethality is defined to During Exposure Cycle and Exp Start as Cycle Time and Expo End configured as Exp Time and Qual Start as Manual and Qual Stop configured to Cycle time.

Regression Testing performed with:

- EDN 421 Kaye Validator AVS 1.0 Console Software Test Case Rev. A
- EDN 423 Kaye Validator AVS 1.0 Console Report Software Test Case Rev. A
- EDN 521 Kaye Validator AVS 1.2.1 Upgrade Test Case Rev A

Test Platforms:

- Windows 8.1 Pro

System:

- Manufacturer: Motion Computing
- Model: F5te S/N-ECJDAG000728
- Processor: Intel® Core™ i3-3227U CPU @ 1.90GHz 1.90 GHz
- Installed memory(RAM): 2.00GB
- System type: 64-bit Operating System, x64-based processor
- Acrobat PDF reader needed to run the software

Kaye Validator AVS software:

- Software version 1.2.3

Kaye Validator AVS firmware:

- SBC version 1.2.1.61
- PCB version 1.0.0.1
- DAQ version 1.0.0.19
- OS version 1.0.0.3

**Table of Open Defects**

Priority Code	Date	No. of bugs
1 = Critical (System crash or hang)	22 June 2017	0
2 = Serious (Effects user data)	22 June 2017	0
3 = Serious (Effects operation with no work around)	22 June 2017	0
4 = Serious (Effects operation with work around)	22 June 2017	2
5 = Maintenance	22 June 2017	0
<b>Total</b>	22 June 2017	<b>2</b>