Technical Note

Vertex™ Application Software 1.25.13

Honeywell Analytics is pleased to announce the release of Vertex Application Software 1.25.13 for the Vertex™ System. The Vertex Application Software package includes the following software/firmware versions:

- Vertex HMI Software 1.25.13
- Analyzer Firmware 1.25
- Closed Loop Optics (CLO) Block Firmware 10.11

Changes:

- **Obsolescent** – A component on the Sensor Control board has been replaced and as a result the Analyzer software required an update to support the new board revision. The changes will be transparent to the functional operation of the Analyzer and only impacts Honeywell Analytics (HGAS) Service Workshop teams and Production in the event the Sensor Board requires replacement.
- **Improvement** – ALDE debris rejection improvement. ALDE exclusion algorithm was extended to included gas detection range that it was not previously applied to reject possible debris. This exclusion algorithm is always open for opportunities for improvement as more field data is provided for evaluation and to develop test cases for real world events.
- **Improvement** – Default Virtual Reference parameters was added to analyzer firmware. This firmware change is to mitigate the extremely rare case where an older version of the gas table is used that does not have the VR limit and tape advance parameters set and VR is enabled. The default parameters of VR limit 50 and tape advance 6 will be used if not set for a gas family.
- **Improvement** – The CLO block firmware was changed to improve the auto adjust range to cover hardware limits as designed when performing Chemcassette™ calibration. Some CLO blocks may experience F229 fault, this firmware release will correct this fault.

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