

Equipment Amendment Review Synopsis – Additional version of Dräger DrugTest® 5000 firmware suitable for use (version 02.03.02) - May 2020

The Drugs and Driving Committee has determined that firmware version 02.03.02 is suitable for use in the Dräger DrugTest® 5000 reader. Thus, a Dräger DrugTest® 5000 and a Dräger DrugTest® 5000 STK-CA, when used together, would continue to be approved for the purposes of the Criminal Code as equipment that is designed to ascertain the presence of a drug in a person's body with use of either the current firmware version 02.03.01 OR with the new firmware version 02.03.02.

The Drugs and Driving Committee (DDC) has reviewed the proposed firmware version 02.03.02 for the Dräger DrugTest® 5000 reader, and has determined that this firmware provides additional functionality to the equipment:

- This firmware can improve record keeping by introducing the operator's name as a mandatory field when performing Quality Assurance (QA) testing.
- This firmware adds extra flexibility to record keeping by introducing the ability to print the latest QA test performed as a deferred option.
- This firmware adds extra clarity and accuracy to the results of QA tests in which an error has occurred due to dust particles or smudges present on the optical sensor or other inconsistency with the analyzer; results are listed as "QA-Test-Failed" instead of "QA-Test-Invalid"
- This firmware introduces additional safeguards to the operation of the reader by performing a service interval check before each measurement, as opposed to only upon reader restart.
- This firmware introduces additional safeguards to help maintain the reader cleanliness by introducing instructions for the user to remove the test kit after completion of analysis.
- This firmware introduces additional QA data capabilities by detecting and clearly labelling any data in the service log records which has become corrupted.

The Drugs and Driving Committee (DDC) has additionally determined:

- That this firmware update represents a minor equipment modification which does not alter other functionality of this equipment.
- That this firmware update does not alter the status of Dräger DrugTest® 5000 as approved drug screening equipment when used together with the Dräger DrugTest® 5000 STK-CA
- That this firmware version does not invalidate the current firmware version 02.03.01

Due to the increased functionality of firmware 02.03.02, the DDC recommends that all new Dräger DrugTest® 5000 readers be issued with this firmware version, and that existing readers be updated with this firmware version when practicable.

Please note that the firmware version of an individual Dräger DrugTest® 5000 reader is displayed on the unit screen when the reader is turned on, and is also printed with the results of each subject test.