

HD Tune Pro Drive Status manual

version 5.50

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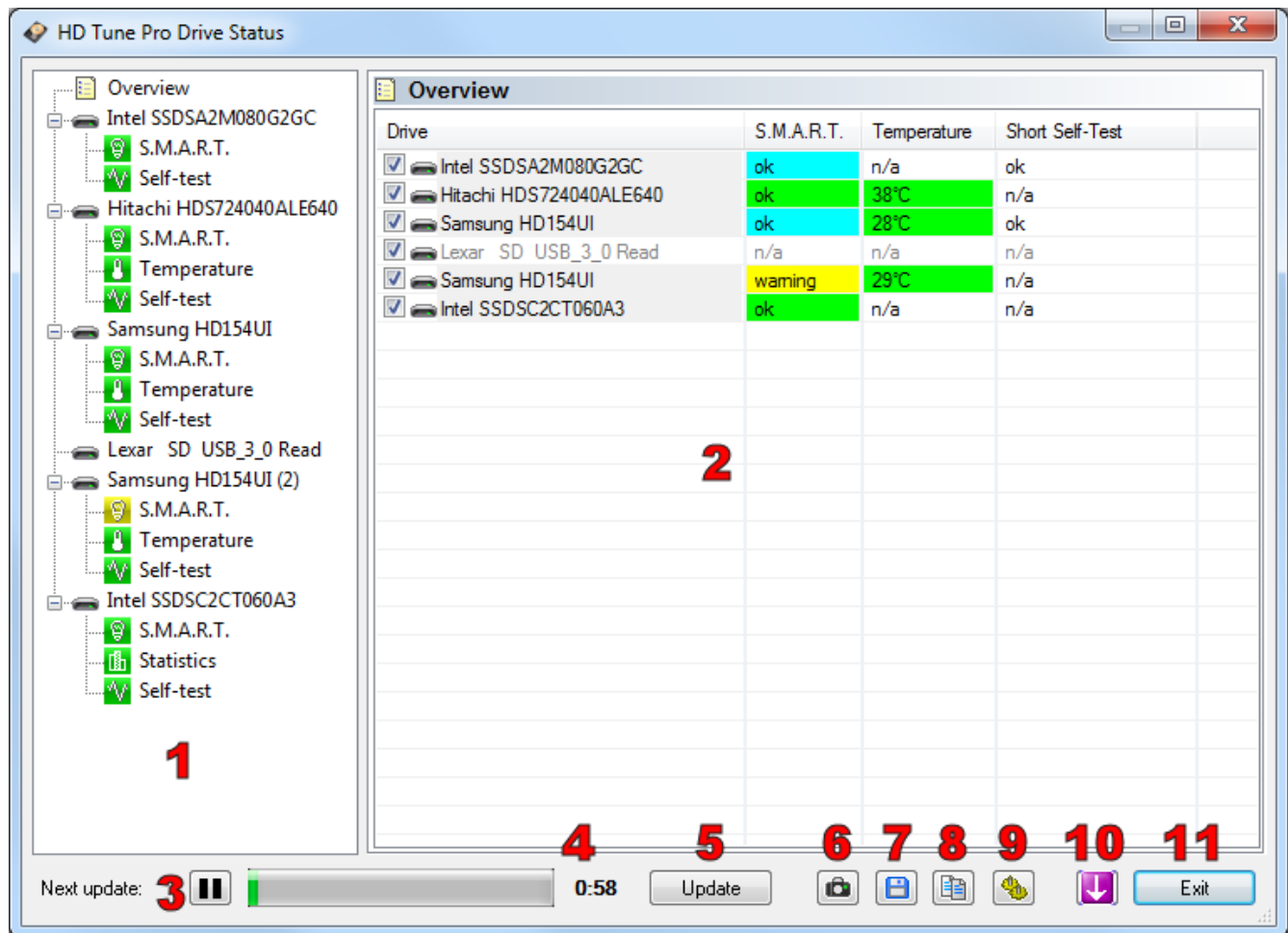
1. Introduction

HD Tune Pro Drive Status is part of the HD Tune Pro software and can be used to quickly check and monitor the status of all connected drives.

It has the following functions:

- Drive information
- S.M.A.R.T.
- temperature log
- S.M.A.R.T. Self-test
- device statistics

2. Usage



1. Function selection
2. Function window
3. Pause button
4. Countdown timer for automatic status update
5. Button for manual status update
6. Take screenshot
7. Save status to text file
8. Copy status to clipboard
9. Go to options
10. Minimize application to tray
11. Close application

When HD Tune Pro Drive Status is started an overview of all attached devices and their status is shown.

For each device several functions can be available. Click on the function name below the device name to see detailed information about the function.

The functions are:





S.M.A.R.T.: shows detailed S.M.A.R.T. Information and the status for each S.M.A.R.T. Attribute

Temperature: shows the current, lowest and highest temperature and a graphical history of the temperature.

Self-test: shows the status of the last 22 self-tests. There is also an option to run the self-test..

Device statistics: some devices can show additional information about the current status and health.

There are four possible status color codes:

	ok	No problems were detected
	attention	<p>A minor issue is found. It's a good idea to regularly check the status to see if the parameter which is flagged gets worse.</p> <p><i>Example: a device may report a number of interface crc errors. If this value remains constant then most likely there's no problem. An increasing number of crc errors may be an indication of a faulty cable.</i></p>
	warning	<p>A major issue is found. The parameter which shows a warning should be closely monitored. A warning may be a reason to replace the device especially if the status gets worse.</p> <p><i>Example: a hard drive may report a number of damaged sectors. Even a low number of bad sectors may be a sign of a failing hard drive.</i></p>
	failure	<p>A critical issue is found. The drive is most likely about to fail. A failure occurs when the warranty threshold of a S.M.A.R.T. Parameter has been exceeded or when the drive's temperature has reached a critical value.</p> <p><i>Example: there may be so many bad sectors on a hard drive that they cannot be replaced anymore.</i></p>

Status updates

By default the status of each connected device is checked every hour. You can change this interval or disable automatic status updates by pressing the options button.

You can also use the check boxes next to each drive in the overview screen to select the drives you want to check.

Checking the status may take a few seconds and may result in performance loss. Therefore it's not recommended to use a low interval, especially if you have many drives.

You can also pause and restart the status updates by pressing the pause/play button.

Tray icon

HD Tune Pro Drive Status shows an icon in the system tray. The color of the icon background shows the general status

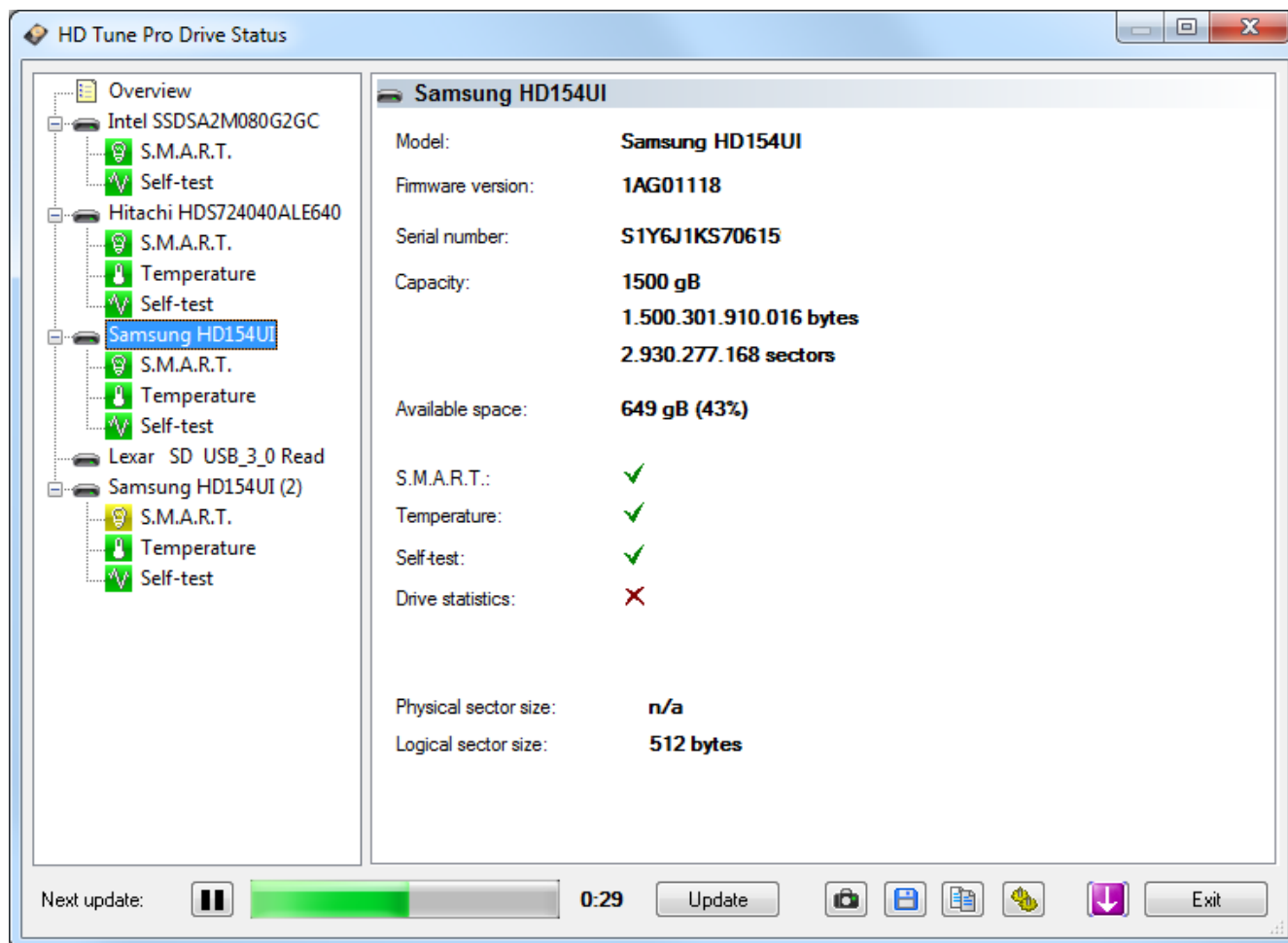
By pressing the purple minimize button the program will be minimized to the system tray. The program is shown again by double-clicking on the icon.

If you hover over the icon the total number of S.M.A.R.T. attentions, warnings and failures is shown as well as range of the highest temperatures (or a single temperature if only one drive is connected).

The tray icon can be disabled in the options window.

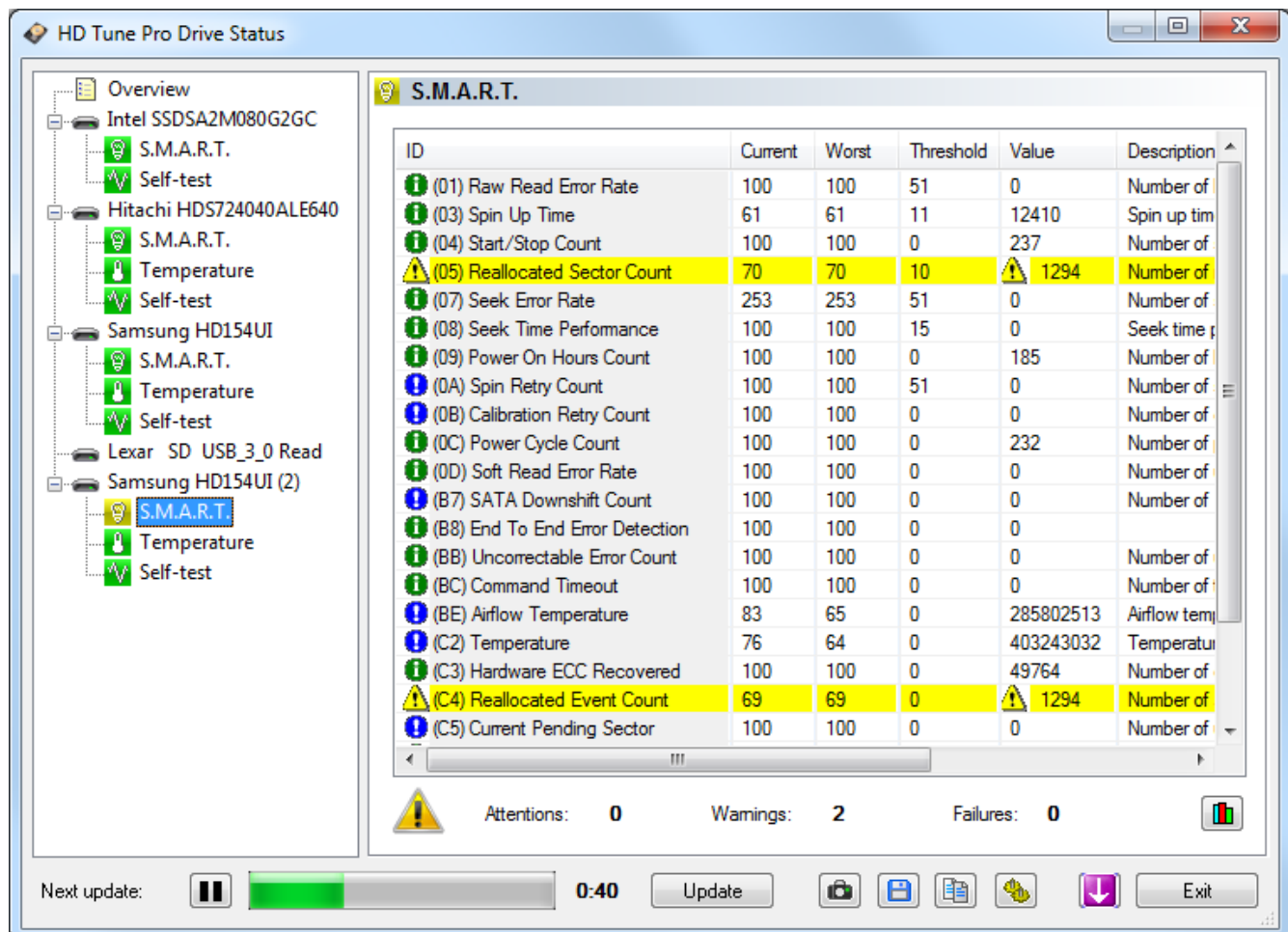
3. Functions

3.1. Drive information



This function shows basic information about the device: model name, firmware, serial number, capacity, available space, sector size and supported functions which are relevant for HD Tune Pro Drive Status.

3.2. S.M.A.R.T.



S.M.A.R.T. stands for Self Monitoring, Analysis and Reporting Technology. It is a system to check various health and status attributes from a hard disk or SSD.

Drives from a different brand or model usually have a different set of attributes.

The screenshot above shows the S.M.A.R.T. attributes from a hard drive. A warning is shown for parameters 05 and C4. The warning icon shows what is causing the warning. In this case the (raw) value is the problem because it should be 0 for both attributes.

The meaning of each column is:

ID: name and number of the attribute

Current: current normalized value

Worst: worst normalized value

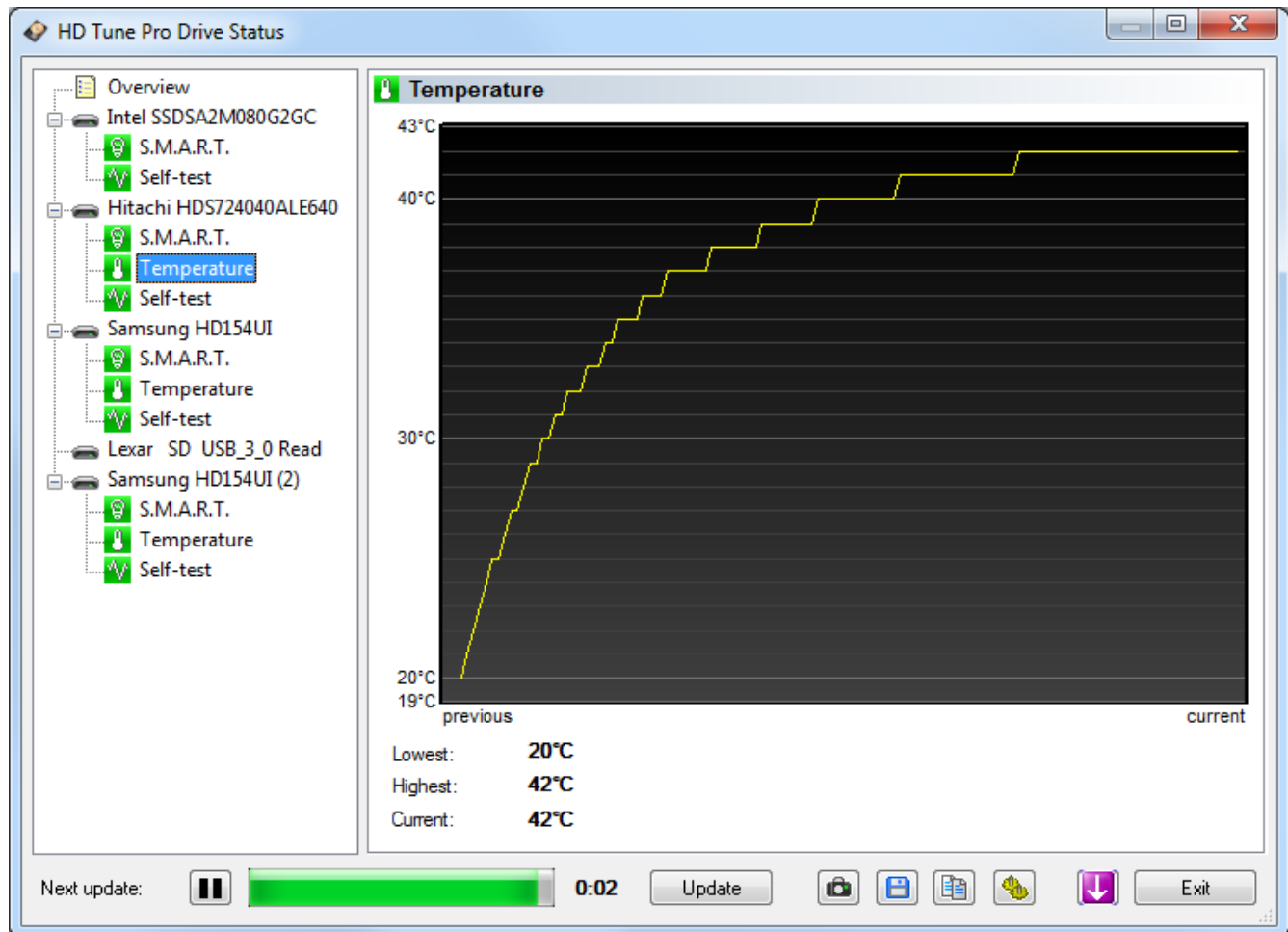
Threshold: the current or worst value should never become lower than the threshold value.

If the threshold value has been exceeded then the drive should no longer be used.

Value: this is the raw value for the attribute. For example it can show the actual number of errors, the temperature, etc.

Description: shows the meaning of the attribute.

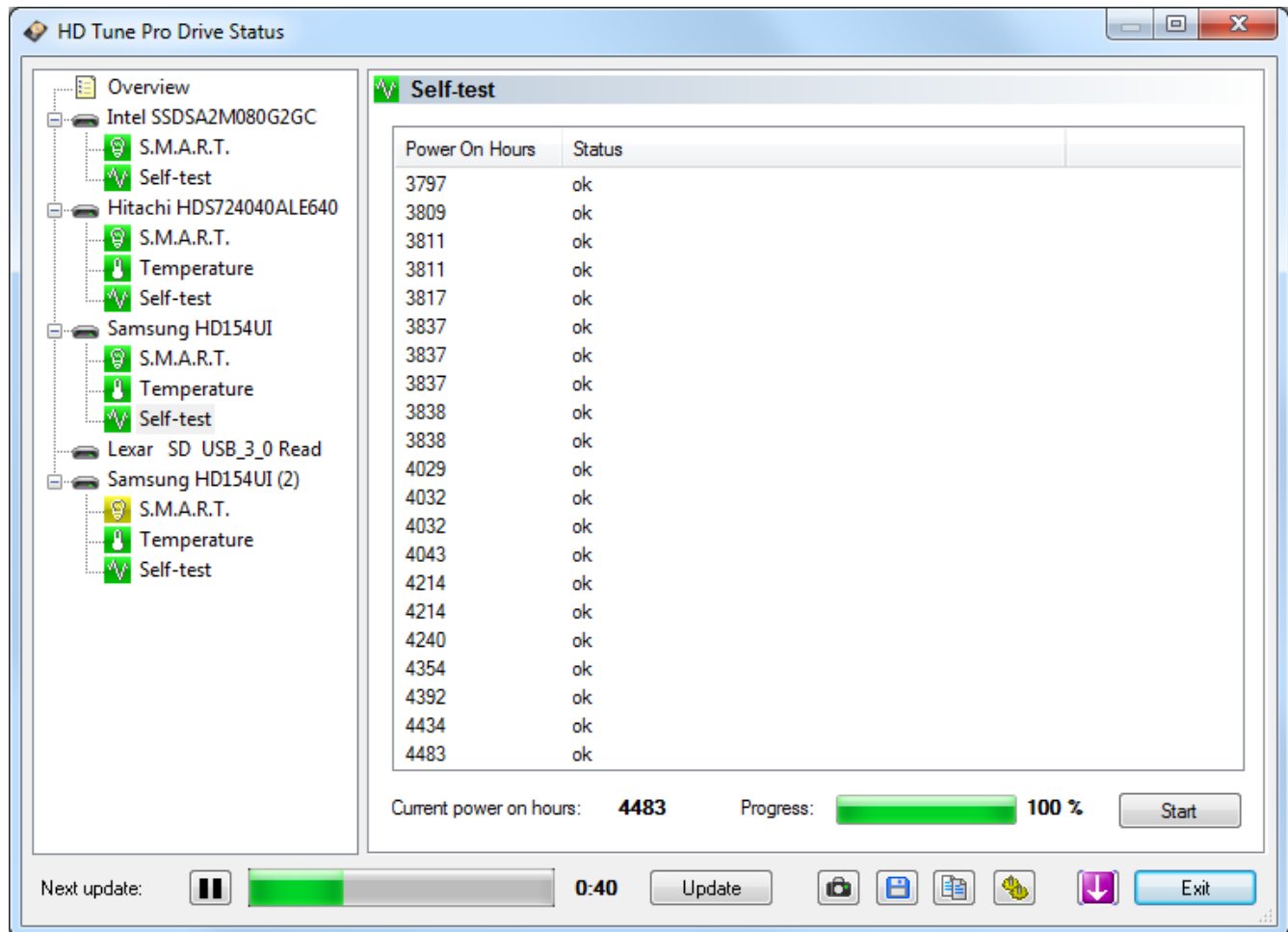
3.3. Temperature



The temperature function shows the current, highest and lowest temperature and a graphical history of the recorded temperatures.

Some hard drives store the temperature values as soon as they power up. These values are also shown in the graph.

3.4. Self-test

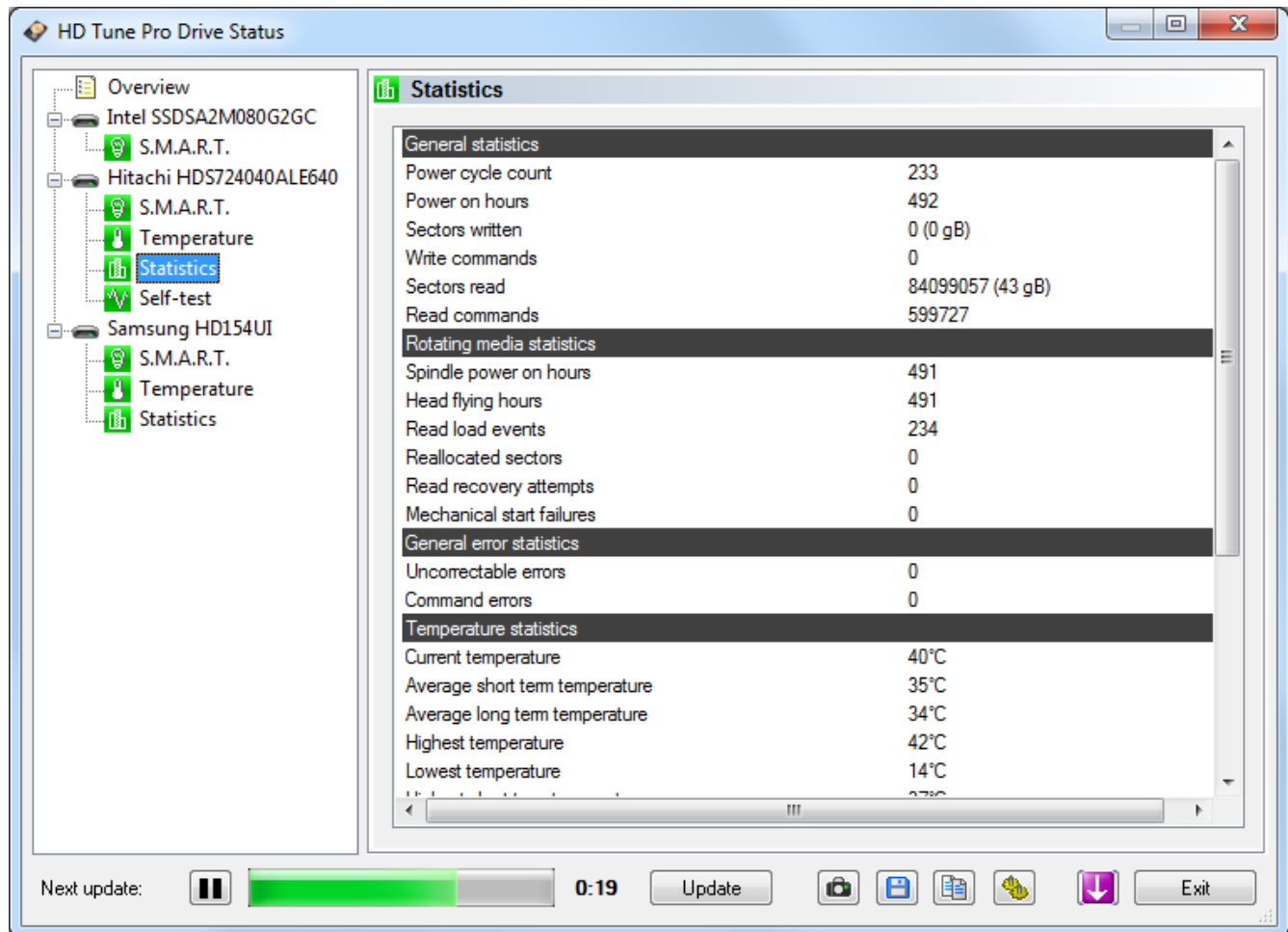


This function performs a short self-test and reports the status of the latest 22 tests. Older test results are discarded.

When a drive performs a self-test several electrical, mechanical and memory functions are tested. The test usually takes about two minutes.

The power on hours column shows how many hours the drive was running when the test was performed. This value can be compared to the current power on hours count which is shown at the bottom of the screen.

3.5. Device statistics



This is a very useful function which shows interesting statistics from the hard drive or SSD. The statistics are categorized.

4. Contact information

For any questions and feedback about HD Tune Pro please contact support@hdtune.com.