Letter of Volatility

This letter describes volatile, non-volatile, and storage media on the specified product(s). Customers can use this document to comply with security requirements and equipment handling procedures.

For additional information, please contact Ocean Optics at +1 407-673-0041 or visit https://www.oceaninsight.com.

Product Information

Product Family: Ocean SR, Ocean HR

Product Models: SR-2, 4, 6, HR-2, 4, 6, includes all optical variants

Manufacturer: Ocean Insight, Inc.
Address: 3500 Quadrangle Blvd.
        Orlando, Fl. 32817

Volatile Memory

This product contains volatile memory, which is erased when power is removed.

Item 1 Type: SRAM   Size: 512kB   User Modifiable: No
Function: Provides major functionality for the spectrometer. The memory is used at run-time for certain spectroscopic functions.
Process to sanitize: Power down

Item 2 Type: FPGA   User Modifiable: No
Function: Provides major functionality for the spectrometer. The device is re-programmed via FLASH on power up.
Process to sanitize: Power down

Non-volatile Memory

This product contains non-volatile memory, which is retained when power is removed.

Item 1 Type: FLASH   Size: 2MB   User Modifiable: Limited; via service routines only
Function: This is internal microcontroller memory. Currently unused.
Process to sanitize: None, clearing has no effect.

Item 2 Type: FLASH   Size: 32Mbit   User Modifiable: Limited; via service routines only
Function: This external memory serves the microcontroller and FPGA. Stores spectrometer calibration constants and the FPGA configuration. Memory can only be modified by Ocean Optics service routines and authorized software.
Process to sanitize: None, clearing the device will render the product inoperable.

Media

This product does not contain media storage devices.

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