

Statement of Volatility

Introduction

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

Contact Information

If you have any questions after you review the information in this documentation, please contact your local Prostat Authorized Reseller, distributor, or call Prostat corporate headquarters (toll-free inside the U.S. and Canada only) at 1-855-782-8421, or from outside the U.S. at +1-630-238-8883.

Products

This document contains procedures for the following Prostat and ESD Check Instruments models:

- Prostat PAS-853
- Prostat PAS-853B
- ESD Check 1012

Description of Device

ATMega48(P) 8-bit Microcontroller

Flash Program Memory, fuse setting (SELFPRGEN) should be set so it can only be factory re-programmed by internal connector to a programming device.

Clearing procedure:

- 256 bytes ON-CHIP EPROM (non-volatile) for calibration values. Cannot be reset but could be reprogrammed by performing a re-calibration.
- 512 bytes SRAM (volatile) is for firmware variable and stack storage. Not user accessible. Can be cleared by removing power for unit (9V battery) for ten minutes.

PCF2112CT LCD Driver

LCD Driver chips with serial memory (volatile), re-loaded continuously for each value displayed.

Sanitize Instrument Data

The only way to sanitize data from these instrument is to physically remove the non-volatile chips listed above. It is not recommended that the user removes the chip(s) from the instrument and should be handled by a Prostat Authorized Calibration Lab.