



You can have the newest features by upgrading your

PowerSight PS3000 unit. PowerSight offers a powerful mix of capabilities in a small size. Nevertheless, we continually add new features to it. Features may be new measurement types, faster execution, easier use, higher accuracy, or prevention of error. This document lists the major feature enhancements of our various versions of software, firmware, and hardware and outlines the cost of upgrading.

Understanding the Numbering System for our Versions

You may notice that our software, firmware, and hardware version numbers take the form of “1.23”. The first digit indicates compatibility. Generally, if you upgrade from version 1.xx to version 2.xx, there will be some incompatibility with your existing software, firmware, or hardware. The second digit indicates the major feature level.

Enhancements of major features that do not result in an incompatibility only affect the second digit. Therefore if you upgrade from 1.2x to 1.3x, you would expect some enhancement in the features of the product without affecting its compatibility with other existing version levels. The third digit indicates the minor enhancement and bug fix level. Hence upgrading from 1.43 to 1.45 means you move up two minor enhancements or fix releases from where you were.

Firmware Upgrades

“Firmware” is what we call the software inside your PowerSight unit. Firmware upgrades are done by Summit Technology personnel at our facility. The unit is checked out after the upgrade and calibrated. The major features introduced at each major version level for our firmware are:

- 2.9 Support for Extended Memory (4X log size and 4X number of waveform sets can be stored). Ability to pause and resume logging multiple times in a log. Ability to measure THD > 255%. Display of record capacity and number of records used. Display of programmed times to start and stop logging.
- 2.8 Selection of which variables to include in data log. Displacement power factor and phase angle measurements. THD speedup. Notification of log capacity. 400Hz operation. Support for 2 current probe power measurement
- 2.6 Compatibility with PSM software version 2 (in addition to version 1). Support for FX5000 and ground fault probes, notification of warranty expiration, many background enhancements
- 2.5 VAR and regenerative power measurements. Checkout of connections. Support for 5KV voltage probes, French, Italian, Spanish, and Croatian languages.
- 2.4 support for flex probes (like the FX3000). German language.
- 2.2 compatibility with hardware 5, user interface enhancements for entry of numbers
- 2.1 support for DC current and voltage, multiplexed inputs
- 2.0 support for delta measurements (such as phase-phase voltage), waveform capture, input ratios



Benefits of Upgrading PS3000 Software/Firmware/Hardware



Upgrades within a given feature level are free. For instance, upgrading from 2.53 to 2.5T would be free. Upgrading to a higher feature set requires being under warranty (either extended or reinstated warranty).

Software Upgrades

PSM95 for Windows

- 2.1 Support for Extended Memory
- 2.0 Addition of Variable record width (advanced data logging features), support for features of firmware 2.6 and above.
- 1.2 Addition of Report Generator program.
- 1.1 Windows 95/98/NT/2000/Me compatible with all the features of the DOS version.

PSM for DOS

- 1.43 is highest DOS/Win3 version available.

Upgrades within a given feature level are free. For instance, upgrading from 1.23 to 1.24 would be free. Upgrading to a higher feature set requires being under warranty (either extended or reinstated warranty).

Hardware Upgrades

Hardware is upgraded occasionally to improve functionality or accuracy.

- 5.0 Improved current and voltage accuracy, ability to supply power to external circuits and probes (such as the FX3000)
- 4.0 Constant-current battery charging, to allow battery life of many years
- 3.0 Opto-Isolation in serial communications located within the unit.
- 2.0 The basic PowerSight functionality.

Minor upgrades of hardware may be done under warranty. For instance, converting to constant current battery charging. Major upgrades, such as moving from version 2, 3, or 4 to version 5 costs \$1000 and basically results in a brand new unit.

We appreciate your business.

PowerSight® Energy Analyzers are designed and manufactured in the USA by Summit Technology, Inc.

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