Main Memory Volatility Statement

Models: Nova

Product Description:

General Purpose Laser Power Meter

Memory Description:

These meter contain the following memory devices:

Nova-A board:

U10: I2C EEPROM 93C66,

Used to store analog board parameters and calibration factors. Non-volatile.

Nova-C board:

U2: Microcontroller MC68332ACFC16

Main processor contains internal RAM. Used during run-time to store variables for the software. Volatile.

U1: Memory Flash 29C040,

Used to store operating code for the meter's software application, and all meter parameters. Non-volatile.

U8: 8-bit SRAM Memory,

Used during run-time to store variables for the software. Volatile

Nova-P board:

No memory components used in the power board

General:

Meter calibration constants are stored in U10 in Nova-A board. The calibration constants are generated when the meter is sent through its calibration process in the factory, and are fundamental to the meter operation. RAM held in the internal Microcontroller (U2, Nova-C board), and SRAM components (U8, Nova-C board) are not accessible to the user through the remote interface and their contents are lost when the meter is turned off.

Note: The meter contains a D15 connector to which a range of custom sensors can be attached. Calibration data for any such sensor is separate from the meter and is stored inside the sensor itself, not inside the meter.

Gadi Seeberger
QA manager