Main Memory Volatility Statement

Models: Vega

Product Description:

General Purpose Laser Power Meter

Memory Description:

This meter contains the following memory devices:

Vega Main board:

U14: Memory Flash S29AL008,

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

U15: Microcontroller MC68LK332A

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

U23: I2C EEPROM 93C66,

   Used to store meter parameters and calibration factors. Non-volatile.

U9: SRAM Memory IS62WV51216BLL,

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

Vega Keys and Display board:

   No memory components used in the power board.

General:

Meter calibration constants are stored in U23 in Vega Main 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 (U15, Vega Main board), and SRAM component (U9, Vega Main 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.

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