

Main Memory Volatility Statement

Models: EA-1

Product Description:

General Purpose Laser Power Meter

Memory Description:

These meters contain the following memory devices:

EA-1 board:

U1: MICROCONTROLLER STM32F103RCT

Contains non-volatile FLASH used to store operating code of the MCU, and volatile RAM used to store variables for the software while it is running.

U10: I2C EEPROM 16Kbit,

Used to store start-up settings, device parameters and calibration factors for the meter. Non-volatile.

General:

Meter calibration constants are stored in U21. 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 (U1) is 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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