The EnergyMonitor is a USB-powered voltage/current supply for the target device under test. It can measure the energy consumption of devices running on 3V and up to 28mA. The intended application of the EnergyMonitor is to measure microcontroller energy consumption; it can also be used to measure energy consumed by sensors or other components used in IoT applications. However, most importantly, it integrates directly with EEMBC ULPBench and provides a standardized method for measuring energy consumption.

Features
• Measures device energy consumption
• Integrated graphical user interface
• Interfaces to ULPBench
• Connects to host PC via micro-USB
• Connects to DUT via Vcc and GND pins

Key Specifications
• Sources power ≤ 28mA
• 3V fixed output voltage
• Low current accuracy: +/- 1% for currents < 1mA
• High current accuracy +/- 2% for currents > 1mA
• Connects to a target device through a 100mil, 3-pin header (Vcc, GND, GND)

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