

Disclosed is a method for the determination of energy for command and program execution, in particular by microprocessor. Prior to measurement current stabilizer current is adjusted so that voltage variation integral at load tends toward zero during measurement. Thereafter measured is an integral of squared voltage drop during measurement on resistor series connected to stabilatron equivalent circuit. Then current of current stabilizer and voltage of reference voltage stabilizer are measured. Average energy of pulse load is measured as difference between the product of reference voltage stabilizer voltage by current stabilizer current and by measurement time and measured integral of squared voltage drop. The device comprises a stabilizer of load feed current, parallel capacitor (current-voltage transducer) and stabilatron equivalent circuit based on operational amplifier and diode. The device further comprises a control system, measuring system, switch, unit for calculation of average energy of pulse load comprising series connected first multiplier unit, subtracter and second multiplier unit, as well as a precision ammeter and dc voltmeter.