

Scope

All widely-used scanners (flatbed, sheet-fed, film-scanner etc. Scanners are defined as electro-optical devices for converting colour or black-and-white information into electronic images primarily used in a personal computing environment. The models concerned must be available through the trade in Europe in the same configuration as indicated in the registration. The product as sold to the customer should be able to operate on mains voltage (230 Vac). This includes portable equipment that is sold with an external power supply.

Criteria

Scanners are eligible for the GEEA Label if the following criteria are met:

Category	Criteria	Criteria valid till*
Scanners	The power consumption in the off mode is 1 W or less (only if the mode exists).	31.12.2005
	The power consumption in the low-power mode is 5 W or less.	31.12.2005
	The default delay time before the equipment switches into the low-power mode is 15 minutes or less. The maximum possible delay time is 1 hour.	31.12.2005

* See Rules of Registration Procedure

Compliance with the Energy Star MoU

The compliance with Energy Star can be indicated as follows (X = full compliance).

Mode	Definition	Test Method	Criteria
Off		Not defined for Energy Star	
Low-power	X	X	

Definitions and Test Method

Definition and test method for low-power mode are equal to current Energy Star definition and test method.

Definition off mode

Off mode	Operating mode in which the scanner is connected to the mains and the main switch of the scanner is off.
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Test method off mode

To measure off mode power consumption the following steps have to be carried out:

1. The measurement conditions are equal to the measurement conditions for the sleep mode (see Energy Star test method).
2. Connect the scanner under test to the mains, switch the scanner on and – after some minutes - off.
3. Measure energy consumption in the off mode with a calibrated energy meter (watt-hour meter) over at least one (1) hour. Dividing the measured energy consumption by the time period over which it was measured will produce the average power consumption in watts.
4. State the result in watts (rounded off to the first digit after the decimal point).