

VAC-240.1

Supply Module for SMT Systems for Mains Operation
in Stationary Applications

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The module supplies SMT systems with a maximum power consumption of 240 W on the basis of mains operation between 110 V and 230 V. An additional feature is the integrated fan which ensures needs-oriented cooling of all components.



Basic Function

The module's main task is to supply energy to and cool SMT systems in stationary applications. A wakeup input and a signal output – both completely galvanically isolated from other interfaces – are available to ensure intelligent energy management. The module has a practical handle for transport purposes.

Operational Reliability

The supply module offers comprehensive fail-safe functions with the monitoring of input voltage range, load current and module temperature. The display of the degree of utilization and a sophisticated power on/off mechanism provide extra protection from operating errors.

Areas of Application

- Energy supply for SMT in lab operations or at the test bench
- Needs-oriented cooling of all SMT system components
- Handle for transporting the measurement system

Advantages

- Compact, space-saving design
- Integrated fan, individual SMT modules do not require additional cooling
- Constant temperature conditions for analog measurement technology
- Suitable for all stages of system expansion



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Technical Data

Failsafe Functions

Input voltage monitoring	Yes
Overload protection	Yes
Overheating protection	Yes

Power Input

Input voltage	110 V ... 230 V / 50 Hz ... 60 Hz
Fuse protection	3.15 A / slow-blow

System Supply

Output voltage	48 V (DC)
Power output	≤240 W (ambient temperature ≤45 °C) ≤180 W (ambient temperature >45 °C)
Galvanic isolation	Yes

Standby Supply

Output voltage	+5 V
Output current	630 mA
Galvanic isolation	Yes

Wake In

Input voltage	-14 V ... +14 V
Auxiliary voltage	+13 V (unregulated)
Galvanic isolation	Yes

Wake Out

Output driver	Open Collector (≤60 V, 30 mA)
Galvanic isolation	Yes

Environmental Conditions

Storage	-30 °C ... +85 °C, 10 % ... 90 % rel. humidity, non-condensing
Operation	0 °C ... +55 °C, 10 % ... 90 % rel. humidity, non-condensing, <2000 meters above mean sea level

Order Numbers

VAC-240.1	Supply module for SMT systems for mains operation in stationary applications (240 W)
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