

# SIP POWER Controller



## HIGHLIGHTS

### General Features

- > Extremely compact and low weight
- > High and constant pumping speed for all active gases in UHV-XHV
- > Pumping speed for noble gases and methane
- > Long lasting in UHV-XHV
- > Negligible power consumption in operation
- > Reduced magnetic interference
- > Able to indicate system pressure
- > Maintenance-free

### Applications

- > Improvement of the ultimate vacuum in UHV-XHV systems
- > Particle accelerators, synchrotron radiation sources
- > Atom/Ion Trap systems, atomic clocks/fountains, interferometers
- > Scanning /Transmission electron microscopes
- > Portable vacuum instrumentation and suitcases
- > Surface analysis systems
- > General purpose UHV systems

## SIP POWER Controller

The SIP POWER controls the NEX Torr® ion pump modules. The controller features an internal system for measuring the ionization current along with an autoranging system. The current (in nA) can be communicated with an external device through a serial interface. The voltage can also be communicated with an external device. Up to 128 SIP Power units can be simultaneously controlled through LAN using a dedicated program.

The SIP Power is protected by two security features: the SAFE connector and the INTERLOCK.

### Features:

- > SAFE connector and INTERLOCK
- > Optional alphanumeric display
- > Status LEDs and an RS485 interface on the version without the alphanumeric display

### Data interface:

- > Remote control through Ethernet
- > Recording of the device parameters via USB
- > Remote control through RS485 (only available in the version without alphanumeric display)

Product description	Code
SIP POWER*	3B0506
SIP POWER LEDS RS485**	3B0509
IP CABLE 3 MT***\$	3B0568

\*with display

\*\*without alphanumeric display

\*\*\*longer cables are available on request

(\$) bakeable up to 250°C, and radiation resistant (1000 Mrad).

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SAES

[www.saesvacuum.com](http://www.saesvacuum.com)

[neg\\_technology@saes-group.com](mailto:neg_technology@saes-group.com)