

Plug-in Signal Conditioners

API 9046

Regulated DC Power Supply

FEATURES

- Wide Range of Output Voltages with **HIGHER OUTPUT CAPABILITY**
- Conservative Design for High Reliability
- 115/230VAC Inputs (Factory Configured)
- Power Indicator LED
- **LIFETIME WARRANTY**

Specifications

Input Voltage

Standard: 115VAC 50/60Hz, +/-10%

Optional: 230VAC 50/60Hz, +/-10%

Output Voltages/Currents

Model	Voltage	Current
Api 9046-05	5VDC	250mA
Api 9046-06	6VDC	200mA
Api 9046-09	9VDC	150mA
Api 9046-10	10VDC	140mA
Api 9046-12	12VDC	125mA
Api 9046-15	15VDC	100mA
Api 9046-18	18VDC	85mA
Api 9046-24	24VDC	75mA
Api 9046-28	28VDC	60mA
Api 9046-32	32VDC	50mA

Other Output Voltages available; Consult Factory for your requirements.

Noise/Ripple

Less than 5mV

Regulation

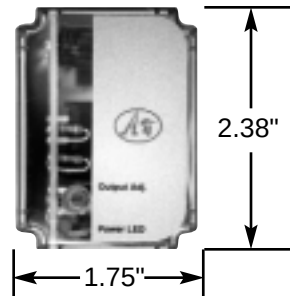
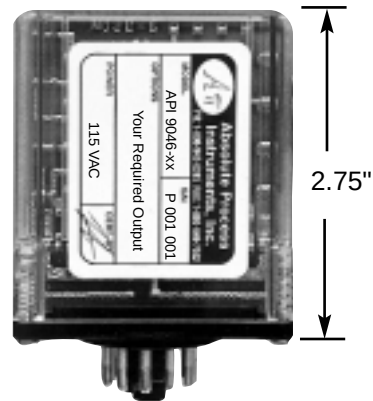
Line: Less than 0.5% of output for V in +/- 10%

Load: Less than 3% for load range of 10 to 100% of rating.

Ambient Temperature Range

-10 to +60 °C (Operating).

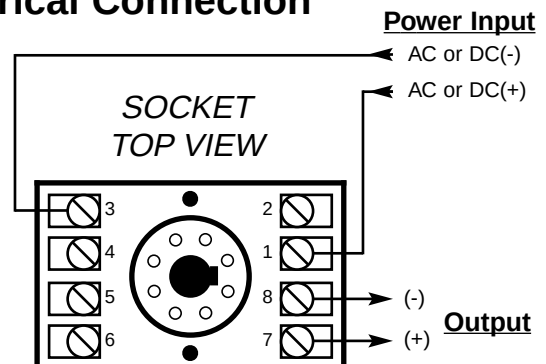
CASE DIMENSIONS



API 9046



Electrical Connection



FUNCTIONAL DESCRIPTION

The Api 9046 Power Supply is designed to provide DC power to a two-wire transmitters, panel meters, etc., or any device requiring a source of well-regulated DC voltage. Output are available from 5 to 32VDC and Input voltages include 115VAC or 230VAC.

The API 9046 plugs into an industry standard 8-Pin socket (purchased separately). The socket provided by API (part #API-008) allows for either DIN rail or panel mounting.

UNIQUE FEATURES

Api 9046 features a dual primary for factory configuration of 115VAC or 230VAC input voltages. Standard Features include a **Power Indicator LED**, top-accessible potentiometer for fine adjustment of the selected output voltage and short-circuit protection for the output. In addition, the design includes high rated temperature components and increased regulator heatsinking for excellent reliability and greater output current capabilities than competitive designs.

OPERATION

The dual-primary transformer is factory-configured for 115VAC or 230VAC operation. The transformer secondary is full-wave rectified, filtered and regulated by an adjustable IC regulator which also provides output short-circuit protection.

RELATED PRODUCTS

The following products are also available. Refer to the appropriate data sheets in this section for details.

API 9046 CH

Dual Regulated DC Power Supply (ie. +/-5VDC) output.

 **ABSOLUTE PROCESS INSTRUMENTS, Inc.**

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