

Basic Power Station 585673 (187-AP)

FESTO

LabVolt Series

Datasheet



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General Description

The Basic Power Station is ideal for use in classroom laboratories where science programs such as basic electricity, electronics, physics, and chemistry are taught. It has two variable-voltage ac outputs (high and low voltages), one fixed-voltage ac output, and one variable-voltage dc output (filtered). A control knob on the front panel sets the voltage of all variable outputs. Two standard grounding-type, simplex receptacles and a pair of color-coded banana jacks provide access to the ac power outputs. A pair of color-coded banana jacks provides access to the dc power output. The Basic Power Station is powered from a standard ac power outlet and turned on by a toggle switch on the front panel. A pilot light illuminates when the unit is energized.

The Basic Power Station is a handy portable unit that can be placed on any work surface in classroom laboratories. It is made of 16-gauge steel finished with scuff-resistant, black-baked enamel. The station is supplied complete with installation and operating instructions, one set of alligator-clip leads, and mounting hardware when required.

Specifications

Parameter	Value
Power Requirements	
Current	10 A
Service Installation	Standard single-phase ac outlet
Variable-Voltage DC Output	
Voltage	0-12 V
Maximum Current	2.0 A
Ripple	Less than 10%
Overload Protection	Thermal-magnetic circuit breaker, trip and reset type
Isolation	Floating, isolated from line and chassis grounds
Fixed-Voltage AC Output	
Voltage	120 V
Maximum Current	10 A
Overload Protection	Thermal-magnetic circuit breaker, trip and reset type
Variable High-Voltage AC Output	
Voltage	0-120 V
Maximum Current	1.0 A
Overload Protection	Thermal-magnetic circuit breaker, trip and reset type
Variable Low-Voltage AC Output	
Voltage	0-12 V
Maximum Current	2.0 A
Overload Protection	Thermal-magnetic circuit breaker, trip and reset type
Isolation	Floating, isolated from line and chassis ground
Physical Characteristics	
Dimensions (H x W x D)	190 x 146 x 170 mm (7.5 x 5.75 x 6.7 in)
Net Weight	3.9 kg (8.6 lb)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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