

# 187-AP Basic Power Station

**FESTO**

LabVolt Series

Datasheet



## Table of Contents

|                     |   |
|---------------------|---|
| General Description | 2 |
| Specifications      | 2 |

## 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   |
|--|---|
| <b>Power Requirements</b>              |   |
| Current                                | 10 A  |
| Service Installation                   | Standard single-phase ac outlet                       |
| <b>Variable-Voltage DC Output</b>      |   |
| 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      |
| <b>Fixed-Voltage AC Output</b>         |   |
| Voltage                                | 120 V   |
| Maximum Current                        | 10 A  |
| Overload Protection                    | Thermal-magnetic circuit breaker, trip and reset type |
| <b>Variable High-Voltage AC Output</b> |   |
| Voltage                                | 0-120 V   |
| Maximum Current                        | 1.0 A   |
| Overload Protection                    | Thermal-magnetic circuit breaker, trip and reset type |
| <b>Variable Low-Voltage AC Output</b>  |   |
| 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       |
| <b>Physical Characteristics</b>        |   |
| 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)                                       |

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