**PD9502**

4-20 mA / 0-10 VDC Low-Cost Signal Generator

**FEATURES**
- 0-20 / 4-20 mA or 0-10 / 2-10 VDC Ranges
- Low-Cost
- Simple to Use
- Compact Size
- 4-Digit LED Display
- One-Turn Adjustment Knob
- +/- 0.5% +/- 1 Count Accuracy
- Power 15-27 VDC or USB Power Bank

**OVERVIEW**

The PD9502 is a low-cost, compact, simple to use 4-20 mA or 0-10 VDC signal generator. It can easily be set for 0-20 mA, 4-20 mA, 0-10 V or 2-10 V ranges. Signal adjustment is made with a one-turn knob. A 15-27 VDC wall plug is provided with the instrument. Optional USB power bank is available.

**PD9502 with Supplied Cables**
PD9502 4-20 mA / 0-10 VDC Low-Cost Signal Generator

OPERATION

The output of the signal generator is determined by the light under V or mA on the face of the instrument:

<table>
<thead>
<tr>
<th>V or mA Light</th>
<th>Light Color</th>
<th>Action</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>Red</td>
<td>Flashing</td>
<td>2-10 VDC</td>
</tr>
<tr>
<td>V</td>
<td>Red</td>
<td>Steady</td>
<td>0-10 VDC</td>
</tr>
<tr>
<td>mA</td>
<td>Green</td>
<td>Flashing</td>
<td>4-20 mA</td>
</tr>
<tr>
<td>mA</td>
<td>Green</td>
<td>Steady</td>
<td>0-20 mA</td>
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</table>

1. Connect the signal generator for desired output
2. Set Output using the Range button on face of the instrument
3. Adjust one-turn knob to desired output

PDA1001 USB POWER BANK

Overview

The PDA1001 is a portable USB power bank that can conveniently provide power to the PD9502 signal generator. The internal UL Listed 1,800 mAh lithium-ion Grade A battery can power up the PD9502 for over 6 hours. The PDA1001 includes a USB to Micro USB cable which can be used to recharge the power bank or power up the PD9502.

Specifications

Input Power: 5 VDC / 1000 mA
Output Power: 5 VDC / 1000 mA
Battery Capacity: 6.66 Wh, 3.7 VDC / 1800 mAh
Output Capacity: 5.5 Wh, 5 VDC / 1100 mAh
Typical Power Life for Using with PD9502: +6 hours
LED Indicator: Flashing red light while charging the power bank. Blue light while powering up devices.
Material: Aluminum
Dimensions: 0.83" x 0.83" x 3.7" (21 mm x 21 mm x 94 mm) (W x H x L)
Cable: USB 2.0 Type A Male to Micro USB Type B Male cable included (For charging and powering); 11.8" (30 cm) long.
Weight: 2.4 oz (68 g)

Dimensions

Units: Inches (mm)
**CONNECTIONS**

**SPECIFICATIONS**

- **Display**: 0.36" (9 mm) high red LED
- **Accuracy**: +/- 0.5% +/- 1 count
- **Operating Temperature Range**: -4 to 140°F (-20 to 60°C)
- **Connections**: Removable screw terminal block
- **Output Ranges**: 0-20 mA, 4-20 mA, 0-10 VDC, 2-10 VDC
- **Power Requirement**: 15-27 VDC (wall plug provided)
- **Loop Voltage**: When powered by USB: 13.5V, When powered by DC supply: 2 VDC less than the supply output
- **Output Load Impedance Requirements**: Voltage-type ≥ 2KΩ, current-type ≤ 500Ω
- **Overall Dimensions**: 2.0” x 3.3” x 0.9” (85 mm x 50 mm x 22 mm)
- **Weight**: 2.1 oz (60 g)

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>PD9502</td>
<td>4-20 mA / 0-10 VDC Low-Cost, Compact, Signal Generator with Wall Plug</td>
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</table>

**Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>PDA1001</td>
<td>USB Power Bank</td>
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**NOTIFICATION**

- **Your Local Distributor is:**

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