

# PD9502

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



## FEATURES

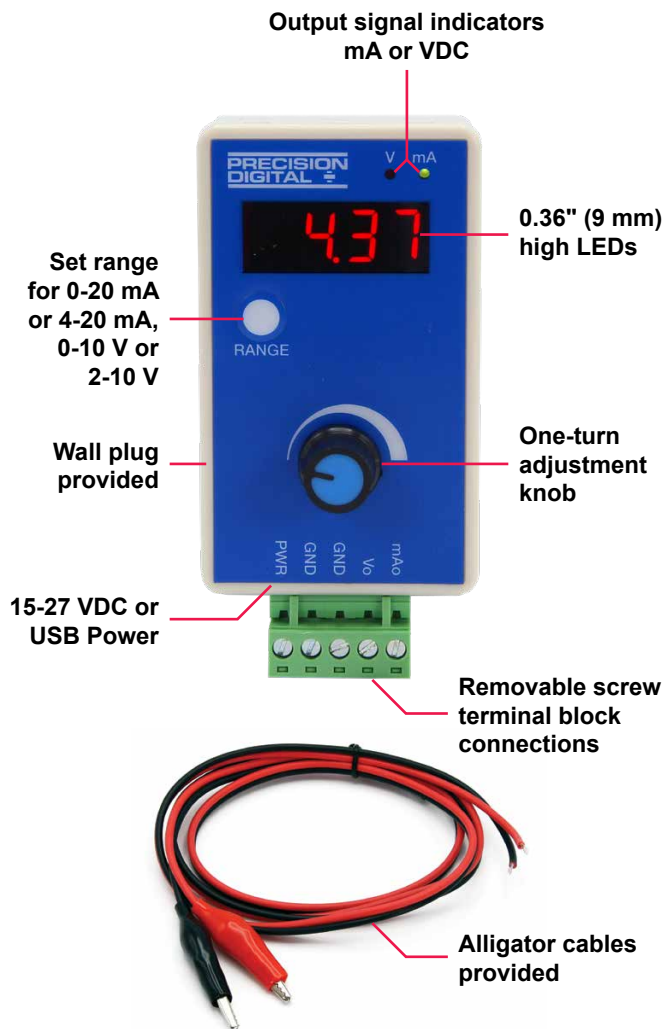
- 0-20 / 4-20 mA or 0-10 / 2-10 VDC Ranges
- Low-Cost
- Simple to Use
- Compact Size
- 4-Digit LED Display
- One-Turn Adjustment Knob
- +/- 0.5% +/- 1 Count Accuracy
- Power 15-27 VDC or USB Power Bank

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

## PHYSICAL FEATURES



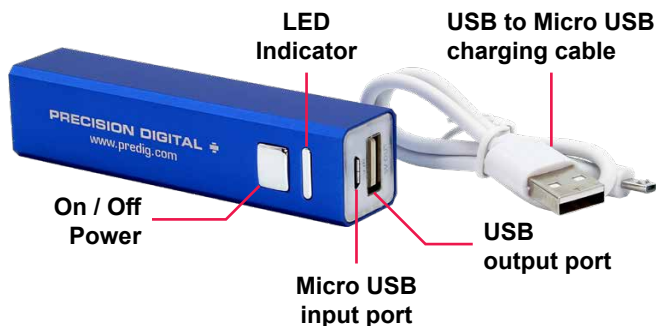
## OPERATION

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

V or mA Light	Light Color	Action	Output
V	Red	Flashing	2-10 VDC
V	Red	Steady	0-10 VDC
mA	Green	Flashing	4-20 mA
mA	Green	Steady	0-20 mA

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.

### PDA1001 Powering up a PD9502 Signal Generator



### 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

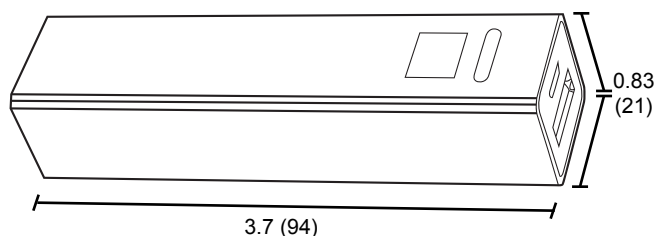
**Dimensions:** 0.83" x 0.83" x 3.7" (21 mm x 21 mm x 94 mm) (W x H x L)

**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)

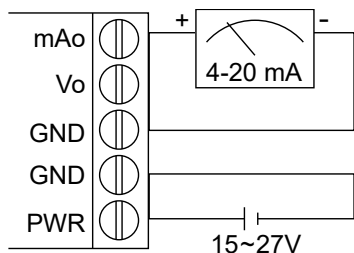
### Dimensions

Units: Inches (mm)

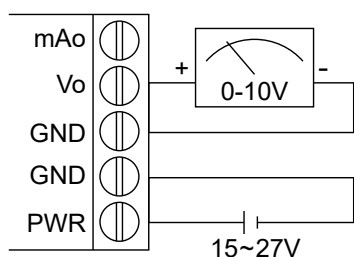


# PD9502 4-20 mA / 0-10 VDC Low-Cost Signal Generator

## CONNECTIONS



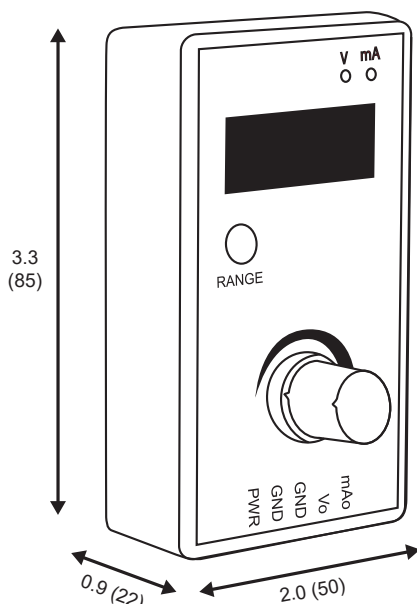
0-20 mA / 4-20 mA Output



0-10V / 2-10V Output

## DIMENSIONS

Units: Inches (mm)



### WARNING

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 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  $\geq 2K\Omega$ , current-type  $\leq 500\Omega$

**Overall Dimensions:** 2.0" x 3.3" x 0.9"  
(W x H x D) (85 mm x 50 mm x 22 mm)

**Weight:** 2.1 oz (60 g)

## ORDERING INFORMATION

Model	Description
PD9502	4-20 mA / 0-10 VDC Low-Cost, Compact, Signal Generator with Wall Plug

## Accessories

Model	Description
PDA1001	USB Power Bank

## Your Local Distributor is:



**NATIONWIDE  
OIL & GAS**

46, Jalan SS 22/21, Damansara Jaya,  
47400 Petaling Jaya,  
Selangor Darul Ehsan, Malaysia.

Email: [nog@nog.com.my](mailto:nog@nog.com.my)

Web access: <http://www.nog.com.my>

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