DATA SHEET

PV2PSU

Power Supply Unit for PV2 Universal Active Probes

C SERIES

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Introduction

The PV2PSU is a power supply unit that is used in conjunction with the PV2 Universal Active Probe from Introspect Technology. Specifically, the PV2PSU provides a standalone power source that allows the PV2 to be connected to any oscilloscope or spectrum analyzer. This way, the PV2 is completely agnostic to test instrument vendors, and it can be used to measure low-voltage signals with ease and convenience.
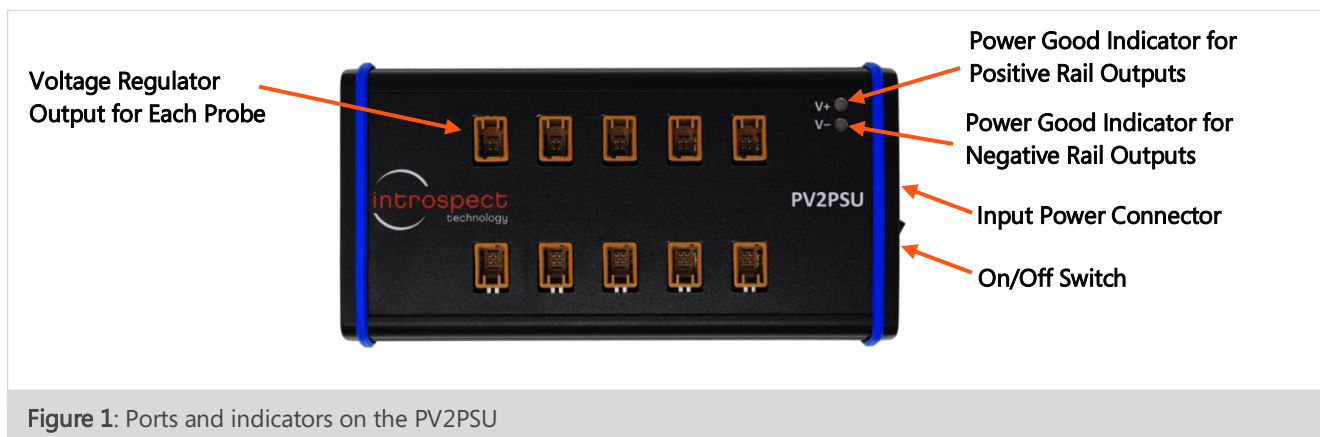
BENEFITS

- Allows for PV2 probe attachment to any 50 Ohm instrument
- Powers 10 probes simultaneously

FEATURES

- 12 V DC input (AC adapter included)
- Rugged power cable connections with integrated protection
- Low noise voltage rails for superior probe dynamic range

Ports and Connectors

Figure 1: Ports and indicators on the PV2PSU

Specifications

TABLE 1: INPUT AND OUTPUT PROPERTIES

PARAMETER	VALUE	UNITS	DESCRIPTION AND CONDITIONS
Input Power			
DC Input Voltage	12	V	
Power Consumption	20	W	When all PV2 probes are connected
Positive Output Rails			
Voltage Value	4.5	V	Fixed
Current Handling Capability	200	mA	Per output
Output Noise	11	µV	RMS
Negative Output Rails			
Voltage Value	-2.6	V	Fixed
Current Handling Capability	-300	mA	Per output
Output Noise	4	µV	RMS

Ordering Information

TABLE 2: ITEM NUMBERS FOR THE PV2PSU POWER SUPPLY AND RELATED PRODUCTS

PART NUMBER	NAME	KEY DIFFERENTIATORS
7154	PV2 Universal Active Probe	Universal probe system for 8 GHz applications
7155	PV2PSU Power Supply	Power supply for PV2

Revision Number	History	Date
1.0	Document Release	December 15, 2023

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