



Ordering Information:



800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282



DATA SHEET

PV1PSU

Power Supply Unit for PVI Universal Active Probes

C SERIES



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Introduction

The PV1PSU is a power supply unit that is used in conjunction with the PV1 Universal Active Probe from Introspect Technology. Specifically, the PV1PSU provides a standalone power source that allows the PV1 to be connected to any oscilloscope or spectrum analyzer. This way, the PV1 is completely agnostic to test instrument vendors, and it can be used to measure low-voltage signals with ease and convenience.

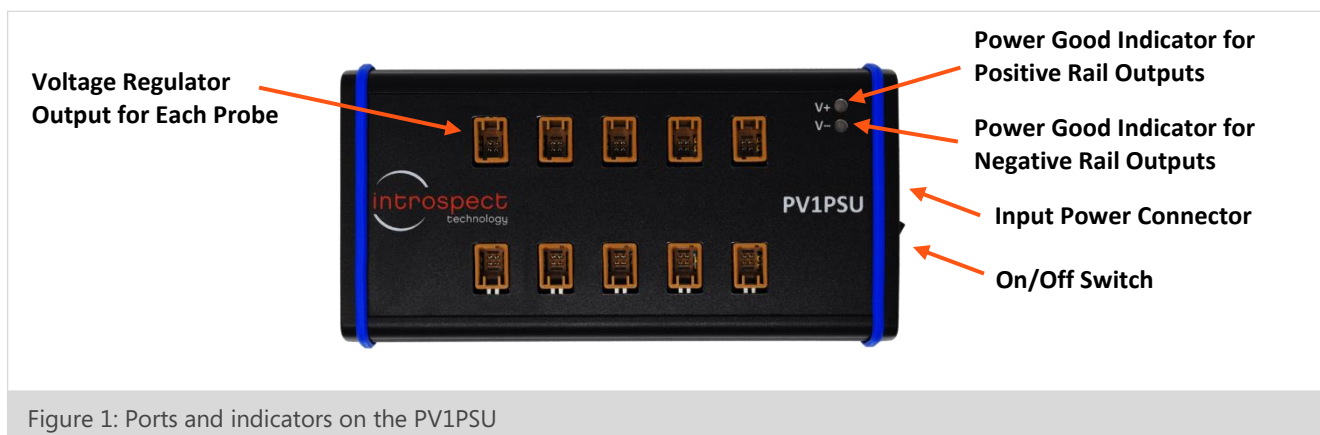
BENEFITS

- Allows for PV1 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



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 PV1 probes are connected
Positive Output Rails			
Voltage Value	4.5	V	Fixed
Current Handling Capability	200	mA	Per output
Output Noise	11	μ V	RMS
Negative Output Rails			
Voltage Value	-2.6	V	Fixed
Current Handling Capability	-300	mA	Per output
Output Noise	4	μ V	RMS



Revision Number	History	Date
1.0	Document Release	December 2, 2020

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