

2000A Precision Current Shunt Operation Manual



致力于电子测试、维护领域!

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Material Contents Declaration

(材料含量宣称)

(Part Name) 零件名称	Hazardous Substance (有毒有害物质或元素)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴 联苯 (PBB)	多溴 二苯醚 (PBDE)
PCBA (印刷电路装配件)	X	0	X	0	0	0
Electrical part not on PCBA's 未在PCBA上的电子零件	X	0	X	0	0	0
Metal parts 金属零件	0	0	0	X	0	0
Plastic parts 塑料零件	0	0	0	0	X	X
Wiring 电线	X	0	0	0	0	0
Package 封装	X	0	0	0	0	0

对销售之日的所售产品,本表显示, PRODIGIT 供应链的电子信息产品可能包含这些物质。注意:在所售产品中可能会也可能不会含有所有所列的部件。This table shows where these substances may be found in the supply chain of Prodigit electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product. 0: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006 标准规定的限量要求以下。○: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T 113632006 standard. x: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006 标准规定的限量要求。x: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T 11363-2006 standard.

Note(注释):

1.Prodigit has not fully transitioned to lead-free solder assembly at this moment ; However, most of the components used are RoHS compliant.

(此刻, Prodigit 并非完全过渡到无铅焊料组装;但是大部份的元器件一至于RoHS的规定。)

2. The product is labeled with an environment-friendly usage period in years.

The marked period is assumed under the operating environment specified in the product specifications.

(产品标注了环境友好的使用期限限制(年)。所标注的环境使用期限假定是在此产品定义的使用环境之下。)



Example of a marking for a 10 year period:

(例如此标制环境使用期限为10年)

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Chapter 1 General information

1-1. Introduction

The model 2000A precision current shunt is a precision AC/DC shunt. It incorporates five shunt ranges from 1Ω, 0.1Ω, 0.01Ω, 0.001Ω to 0.0001Ω. The AC/DC measuring current range from 200mA, 2A, 20A, 200A to 2000A full scale and a built-in 5 1/2 digit precision AC/DC current meter with AUTO-ZERO and AUTO-RANGE function. Each shunt range has its own a select key provides access to the voltage output terminals of each shunt resistor. A single set of binding post conveniently provides output voltage to the measuring voltmeter.



The compliance voltage of the shunt is less than 0.2 volts at full scale for each range except the 2000 Ampere range which has a compliance voltage of 0.02 volts. The shunt is a highly stable AC/DC resistor connected in a four-terminal non-inductive configuration for each range.

1-2. Specifications

SHUNT all types are 4 terminal networks with calibration adjustments for each network.

Specifications						
Range	Shunt Value	*DC Accuracy		*AC Accuracy	Max input DC/AC rms	Output Voltage
		Typ.	Max.			
2000A	0.00001 Ω	0.15% of (Reading + Range)	0.3% of (Reading + Range)	0.4% of (Reading + Range)	2000 A	2000A / 0.02V
200A	0.001 Ω	0.02% of Reading	0.04% of Reading	0.10% of Reading	250 A	200A / 0.2V
20A	0.01 Ω	0.01% of Reading	0.02% of Reading	0.10% of Reading	30 A	20A / 0.2V
2A	0.1 Ω	0.01% of Reading	0.02% of Reading	0.10% of Reading	4 A	2A / 0.2V
0.2A	1 Ω	0.01% of Reading	0.02% of Reading	0.10% of Reading	0.4 A	0.2A / 0.2V

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