

## SPECIFICATIONS

This section lists the electrical, environmental, and physical characteristics of the probe power supply units. Characteristics that differ among the three probe power supply units are as noted.

The electrical characteristics listed in Table 1-1 apply when an adjusted power supply is operating within the environmental conditions stated in Table 1-2.

**Table 1-1**  
**Electrical Characteristics**

Characteristic	Information
Output Voltage	
+ 15 VDC	+ 15 VDC $\pm$ 2%
- 15 VDC	- 15 VDC $\pm$ 2%
+ 5 VDC	+ 5 VDC $\pm$ 2%
- 5 VDC	- 5 VDC $\pm$ 2%
Output Current	300 mA from each supply
Line Voltage	
Low Range	87 VAC to 128 VAC
High Range	174 VAC to 250 VAC
Line Frequency	48 to 440 Hz
Power Consumption	35 W
Line Fuse	
Low Range (115 VAC)	250 V, 0.4 A T/SB
High Range (230 VAC)	250 V, 0.20 A T/SB
1101A Output Configuration (see Fig. 2-1)	Lemo-type connector Pin 1: + 5 VDC Pin 2: Common Pin 3: + 15 VDC Pin 4: - 15 VDC

## Description

**Table 1-1  
Electrical Characteristics (Cont.)**

Characteristic	Information
1102 Output Configuration (see Fig. 2-1)	Pin 1: +15 VDC Pin 2: +5 VDC Pin 3: -5 VDC Pin 4: -15 VDC Pin 5: Common
1103 Output Configuration (see Fig. 2-1)	TEKPROBE connector Pin 1: no connection Pin 2: no connection Pin 3: +5 VDC Pin 4: +15 VDC Pin 5: Offset 1 V Pin 6: -5 VDC Pin 7: -15 VDC

**Table 1-2  
Environmental Characteristics**

Characteristic	Information
Temperature Range	
Operating	0°C to +50°C (+32°F to +122°F)
Nonoperating	-40°C to +65°C (-40°F to +149°F)
Humidity	Exceeds MIL-T-28800B Class 3 Five cycles (120 hr) at 95% to 97% relative humidity at 30°C to 60°C
Altitude	
Operating	to 4600 m (15,000 ft)
Nonoperating	to 15000 m (50,000 ft)
Transportation	Qualifies under National Safe Transit Association's Pre-shipment Test Procedure 1A-B-1

**Table 1-3**  
**Physical Characteristics**

<b>Characteristic</b>	<b>Information</b>
Net Weight (1101A and 1102)	1.6 kg (3.5 lb)
Net Weight (1103)	1.8 kg (3.9 lb)
Length (1101A and 1102)	16.5 cm (6.5 in)
Length (1103)	17.8 cm (7.0 in)
Width	15.8 cm (6.2 in)
Height	8.9 cm (3.5 in)