Sapphire Instruments Co., Ltd.

Specifications of LDP-200

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Bandwidth	DC to 200MHz (-3dB)
Attenuation Ratio	1/10
Accuracy	±1%
Rise Time	1.75ns
Input Impedance	500kΩ//7pF each side to ground
Input Voltage*	
- Differential Range	±20V (DC+peakAC)
- Common Mode Range	±60V (DC+peakAC)
- Absolute Max. Voltage (either input to ground)	±60V (DC+peakAC)
Output Voltage	
- Swing	±2V (into 50Ω load)
- Offset (typical)	<±2mV
- Noise (typical)	0.3mVrms
- Source Impedance (typical)	50Ω (for using 50Ω input system oscilloscope)
CMRR (typical)	-80dB @100Hz, -50dB @10MHZ
Power Requirements (Four options of power sources)	Mains adaptor (6VDC/90mA or 9VDC/70mA) or Removable battery pack (4xAAcells) or Power leads or USB power cord
Optional Extension Plugs for Mains Adaptor	
- Input	One jack of 1A current rating
- Output	Three plugs of 1A current rating
Ambient Operating Temperature	-10 to 40℃
Ambient Storage Temperature	-30 to 70℃
Ambient Operating Humidity	25 to 85% RH
Ambient Storage Humidity	25 to 85% RH
Length of BNC Cable	125cm
Length of Input Leads	50cm
Weight	300gms
Dimensions (LxWxH)	111mm x 22mm x 14mm

* Voltage limit is the lesser of the DC+Peak AC and RMS values..

** a. The supplied voltage must be less than 16V and greater than 3.3V, otherwise the probe could be damaged or can't be operated properly.

b. For wrong polarity of power sources, a built-in circuit will protect the probe and no danger or damage will occur.

c. When the voltage of the cells become too low, the power indicator on the panel will change its color and then distinguish.