

Active Differential Probe



Description

The Aplab's ADP311 is an active differential oscilloscope probe. The differential techniques employed, permits measurement to be taken from two points in a circuit without reference to the ground. This allows oscilloscope to be safely grounded without the use of opto Isolators or Isolating transformers.

The two signals are processed in the probe and the resultant output is feed to the single channel of oscilloscope. Thus reducing the errors normally, associated with two separate probes and oscilloscope amplifier.

Applications

The active differential probe model ADP311 is ideal for measurement of inverter power supplies, Motor controlers with electric control circuit and 3 phase mains supply circuits.

Specifications

Bandwidth	: DC-15MHz (100:1) DC-10MHz (10:1).
Accuracy	: $\pm 1\%$.
Attenuation Ratio	: 10:1 // 100:1.
Input Impedance	: 2M // 10pF.
Working Voltage	: 450V peak (Differential) 700V peak (Common Mode).

Common Mode Rejection Ratio	: 80 dB (upto 100KHz) 60 dB (upto 1.0MHz) 40 dB (upto 10.0MHz).
Operating Temp. Range	: -10°C to $+40^{\circ}\text{C}$.
Power Requirement	: 230V ($\pm 10\%$) AC Mains voltage.
Dimensions	: 155 x 85 x 55 (in mm).
Weight	: 1 Kg. (approx.).

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

Aplab Test & Measurement Instruments

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