



APO31

HIGH VOLTAGE DIFFERENTIAL PROBES

The AP031 is a low cost, battery operated active differential probe intended for measuring higher voltages. The differential techniques employed permit measurements to be taken at two points in a circuit without reference to the ground, allowing the oscilloscope to be safely grounded without the use of opto-isolators or isolating transformers.

Features:

- Safe floating measurements
- 15 MHz bandwidth
- 700 V maximum input voltage
- Works with any 1 M Ω input oscilloscope

SPECIFICATIONS

Attenuation	$\div 10 / \div 100$
Bandwidth	15 MHz
Input R	4 M Ω
Differential Mode Range	$\pm 70 \text{ V} / \pm 700 \text{ V DC} + \text{Peak AC}$
Common Mode Range	$\pm 700 \text{ V DC} + \text{Peak AC}$
CMRR	86 dB @ 50 Hz
Power Source (four AA batteries)	56 dB @ 200 kHz



ADP305

ADP300

ORDERING INFORMATION

PRODUCT CODE

700 V, 15 MHz Differential Probe ($\div 10, \div 100$)

AP031

ADP30X high-voltage active probes are safe, easy-to-use, and ideally suited for measuring power electronics. The ADP300 is designed for troubleshooting low-frequency power devices and other circuits where the reference potential is elevated from the ground or the location of the ground is unknown. The ADP305 is designed for measuring the high-speed floating voltages found in today's power electronics.

Features:

- 20 MHz and 100 MHz bandwidth
- 1,000 V rms common mode voltage
- 1,400 V peak differential voltage
- EN 61010 CAT III
- 80 dB CMRR at 50/60 Hz
- ProBus system
- Full remote control