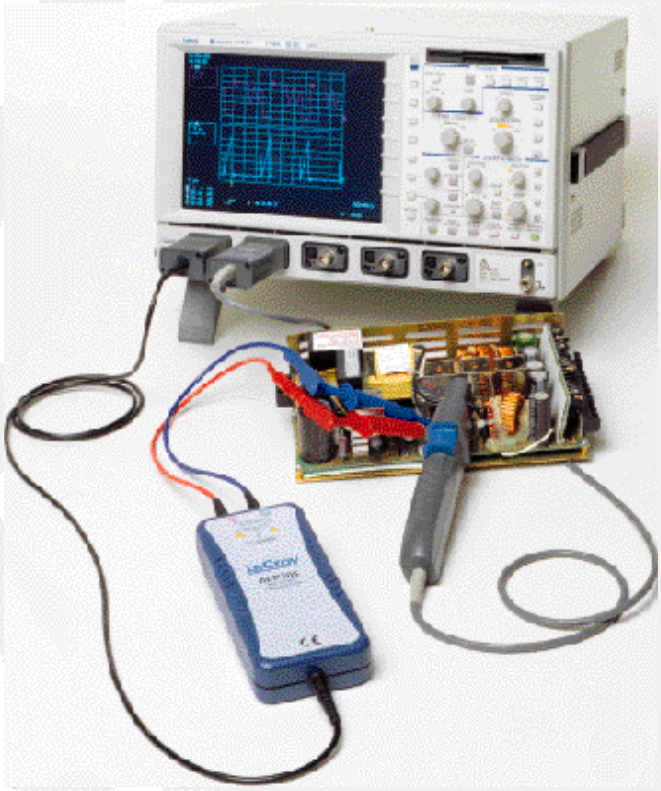
LeCroy
Digital Oscilloscopes

Get the Complete Picture

ADP300
ADP305
Datasheet



LEADING SPECIFICATIONS

- ***20 MHz and 100 MHz bandwidth***
- ***1,000 V_{RMS} common mode voltage***
- ***1,400 V_{peak} differential voltage***
- ***EN61010 Cat III***
- ***80dB CMRR at 50/60 Hz***
- ***ProBus® system***
- ***Full remote control***
- ***Compatible with Waverunner™ and LC scopes***

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

EASY-TO-USE

With the ProBus® interface, the ADP30X becomes an integral part of the oscilloscope. The attenuation, offset, and bandwidth limit are all controlled from the oscilloscope front panel or by using the remote control commands. This means the complete measurement setup can be saved and recalled by the oscilloscope, and all measurement values will be correct. The scope provides power to the probe, so there is no need to worry about a separate power supply or changing batteries.

AUTOZERO

The ADP30X offset can be easily set to zero by pushing a button in the oscilloscope's coupling menu, even when connected to live circuits. This makes it easy to get accurate measurements.

MEETS EN61010 CATEGORY III REQUIREMENTS

Safety is the top priority when you work around high-voltage signals. The ADP300 and ADP305 are both designed to the standards required for Installation Category III. This means in addition to being used on appliances and portable equipment (Cat II), they can be used in fixed-installation environments.

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Electrical Characteristics

Bandwidth: ADP300 20 MHz
ADP305 100 MHz

Differential Voltage: 1,400 V_{peak}

Common Mode Voltage: 1,000 V_{RMS} Cat III

Best Low-Frequency Accuracy (probe only): 1% of reading

CMRR: 50/60 Hz 80 dB (10,000:1)
100 kHz 50 dB (300:1)

Max. Slew Rate (referenced to input):
ADP300 60,000 V/us
ADP305 300,000 V/us

AC Noise (referenced to input):
50 mV_{RMS}

Attenuation: ÷100/÷1000 (automatically selected by scope)

Input Impedance:
Between inputs 8 MΩ, 6 pF
Each input to ground 4 MΩ, 1 pF

Sensitivity:
ADP300 1 V/div to 350 V/div
ADP305 200 mV/div to 350 V/div

General Characteristics

Overall Length: 2 meters

Input Connectors: 4 mm shrouded banana plug

Operating Temperature: 0° C to 50° C

Max Altitude: 2000 meters

Max Relative Humidity: 80% (max 31° C)

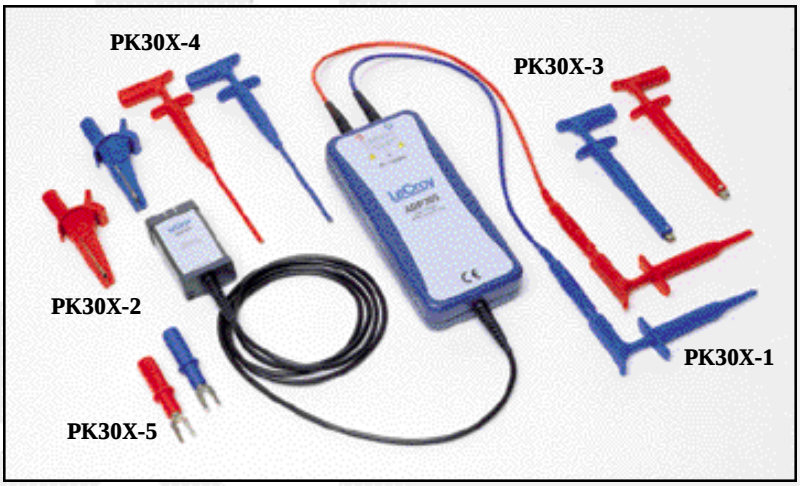
Warranty: One year

Standard Accessories (ADP300)

Instruction Manual
Certification of Calibration
Plunger Hook Clip (1-Red, 1-Blue)
Straps for Holding Probe

(ADP305)

All ADP300 Accessories
Safety Spade (1-Red, 1-Blue)
Plunger Clamp Clip (1-Red, 1-Blue)
Plunger Jaw Clip (1-Red, 1-Blue)
Safe Alligator Clip (1-Red, 1-Blue)
Soft Accessory Case



ADP305 attachment accessories

Ordering Information

High-Voltage Differential Probe, 20 MHz	ADP300
High-Voltage Differential Probe, 100 MHz	ADP305
Instruction Manual, English	ADP30X-OM-E
Plunger Hook Clip (1-Red, 1-Blue)	PK30X-1
Safety Alligator Clip (1-Red, 1-Blue)	PK30X-2
Plunger Jaw Clip (1-Red, 1-Blue)	PK30X-3
Plunger Clamp Clip (1-Red, 1-Blue)	PK30X-4
Safety Spade (1-Red, 1-Blue)	PK30X-5
Soft Accessory Case	SAC-01

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10M MTECH

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