

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

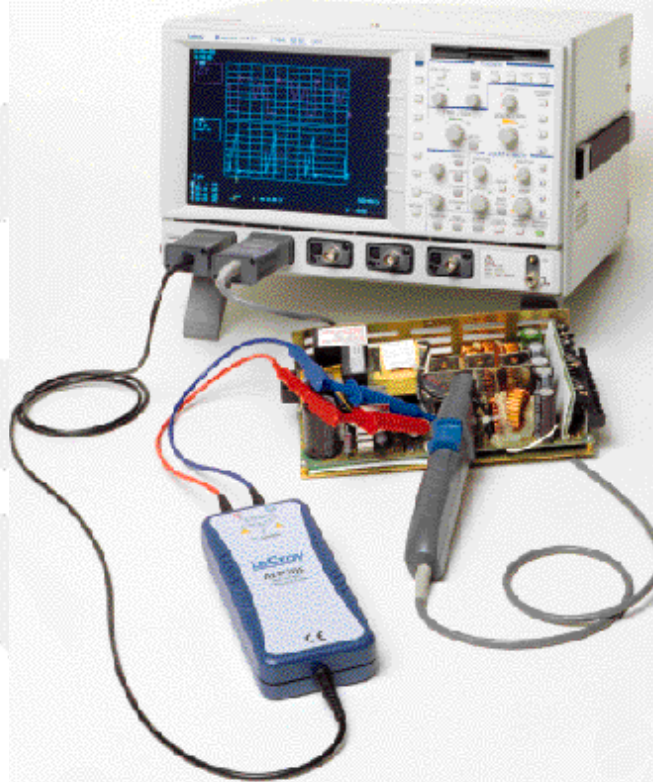
With the ProBus[®] interface, the ADP30X becomes an integral part of the oscilloscope. The attenuation, offset, and bandwidth limit are all controlled from the oscilloscope front panel or by using the remote control commands. This means the complete measurement setup can be saved and recalled by the 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 M Ω , 6 pF
Each input to ground 4 M Ω , 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

Sales and Service Throughout the World

Corporate Headquarters

700 Chestnut Ridge Road
Chestnut Ridge, NY 10977
USA
<http://www.lecroy.com>

LeCroy Sales Offices

Asia: Hong Kong
Phone (852) 2836 7361
FAX (852) 2836 7007

Benelux: The Netherlands
Phone (31) 40 211 6998
FAX: (31) 40 211 6999

France: Les Ulis
Phone (33) 1 69 18 83 20
FAX (33) 1 69 07 40 42

Germany: Heidelberg
Phone (49) 6221 827 00
FAX (49) 6221 834 655

Italy: Venice
Phone (39) 041 456 97 00
FAX (39) 041 456 95 42

Japan: Osaka
Phone (81) 6 6396 0961
FAX (81) 6 6396 0962

Japan: Tokyo
Phone (81) 3 3376 9400
FAX (81) 3 3376 9587

Japan: Tsukuba
Phone (81) 298 41 5810
FAX (81) 298 41 5830

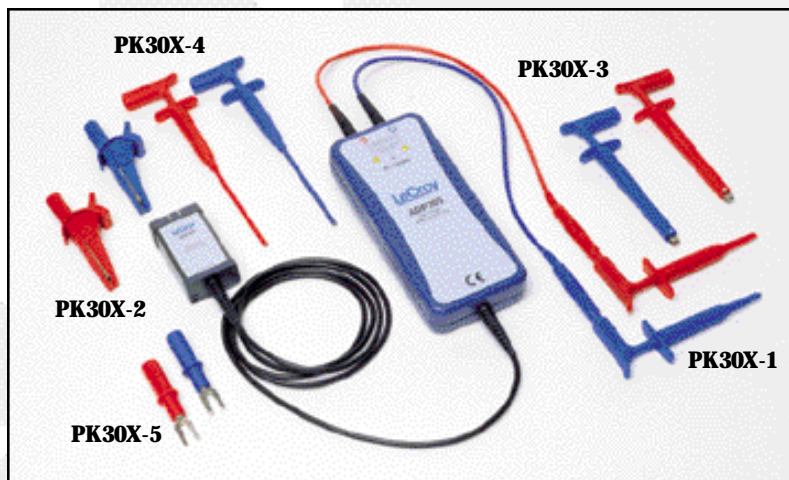
Korea: Seoul
Phone (82) 2 3452 0400
FAX (82) 2 3452 0490

Spain: Madrid
Phone: (34) 91-4170265
FAX: (34) 91-4170654

Switzerland: Geneva
Phone (41) 22 719 2228
FAX (41) 22 719 2230

U.K.: Abingdon
Phone (44) 1 235 536 973
FAX (44) 1 235 528796

U.S.A.: Chestnut Ridge
Phone (1) 914 578 6020
FAX (1) 914 578 5985



ADP305 attachment accessories

ORDERING INFORMATION

High-Voltage Differential Probe, 20 MHz
High-Voltage Differential Probe, 100 MHz
Instruction Manual, English
Plunger Hook Clip (1-Red, 1-Blue)
Safety Alligator Clip (1-Red, 1-Blue)
Plunger Jaw Clip (1-Red, 1-Blue)
Plunger Clamp Clip (1-Red, 1-Blue)
Safety Spade (1-Red, 1-Blue)
Soft Accessory Case

ADP300
ADP305
ADP30X-OM-E
PK30X-1
PK30X-2
PK30X-3
PK30X-4
PK30X-5
SAC-01

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