

# LeCroy Digital Oscilloscopes

*Get the Complete Picture*

## **ADP300** **ADP305** **Datasheet**

### **LEADING SPECIFICATIONS**

- **20 MHz and 100 MHz bandwidth**
- **1,000 V<sub>RMS</sub> common mode voltage**
- **1,400 V<sub>peak</sub> differential voltage**
- **EN61010 Cat III**
- **80dB CMRR at 50/60 Hz**
- **ProBus<sup>®</sup> system**
- **Full remote control**
- **Compatible with Waverunner<sup>™</sup> 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**

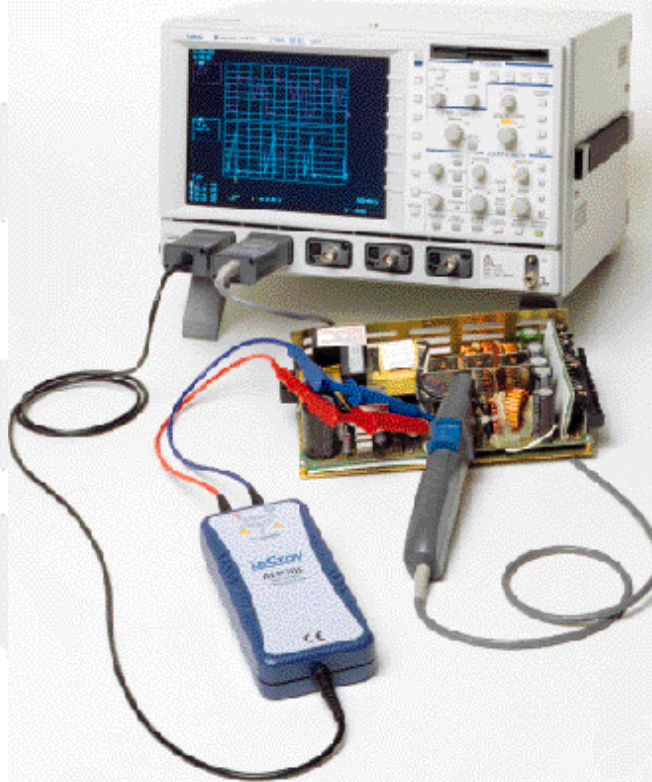
With the ProBus<sup>®</sup> interface, the ADP30X becomes an integral part of the oscilloscope. The attenuation, offset, and bandwidth limit are all controlled from the oscilloscope front panel or by using the remote control commands. This means the complete measurement setup can be saved and recalled 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<sub>peak</sub>

**Common Mode Voltage:** 1,000 V<sub>RMS</sub>  
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<sub>RMS</sub>

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

**Input Impedance:**  
Between inputs 8 M $\Omega$ , 6 pF  
Each input to ground 4 M $\Omega$ , 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

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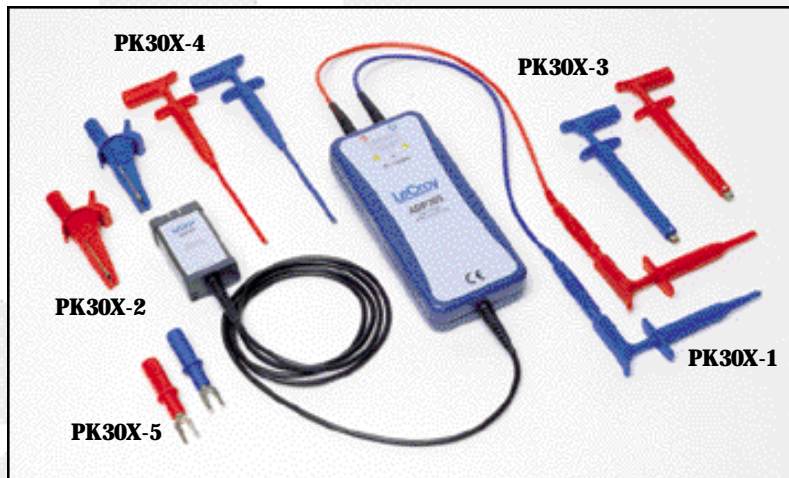
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Fax (44) 1 235 528796

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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