

# Acute ADP (-U/-B\*) series Differential Probe

- Powered by USB port (power bank) or Battery
- Bandwidth : 25MHz / 100MHz
- Bandwidth limit : 5MHz / Full
- Over-range indicator
- Over-range alarm
- Double-layer probe cable for power insulation
- EC conformity : EN 61010-031:2002 +A1:2008
- Works for any grounded DSO with an BNC port



Model	ADP1025   ADP1100 (-U/ -B)   (-U/ -B)	ADP2025   ADP2100 (-U/ -B)   (-U/ -B)	ADP5025   ADP5100 (-U/ -B)   (-U/ -B)
Bandwidth	25MHz 100MHz	25MHz 100MHz	25MHz 100MHz
Attenuation	10X / 100X	20X / 200X	50X / 500X
Input Voltage (DC+ pk AC)	700V	1400V	3500V
Measurement Categories	CAT II 600V CAT III 300V	CAT II 1000V CAT III 600V	CAT I 2300V CAT III 1000V



145 x 45 x 20 mm<sup>3</sup>

\* The Battery version is made by order.

## Acute®

PC-based T&M Instruments

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## Differential Probe

Model	ADP1025 (-U/ -B)	ADP1100 (-U/ -B)	ADP2025 (-U/ -B)	ADP2100 (-U/ -B)	ADP5025 (-U/ -B)	ADP5100 (-U/ -B)	
Bandwidth (-3dB)	25MHz	100MHz	25MHz	100MHz	25MHz	100MHz	
Attenuation	1:10/100		1:20/200		1:50/500		
DC Gain Accuracy	±2%						
Offset zero (Scope gain=1X)	±10 mV						
Input Impedance	Between Inputs	10Mohm, 1pF				20Mohm, 1pF	
	Each input to Gnd	5Mohm, 2pF				10Mohm, 2pF	
Rise time (small signal, 10-90%, 20-30°C)	14ns	≤3.7ns	14ns	≤3.7ns	14ns	≤3.7ns	
Input voltage	Diff. Vin (DC+ pk AC)	100X: ±700V 10X: ±70V		200X: ±1400V 20X: ±140V		500X: ±3500V 50X: ±350V	
	Comm. Vin	±700V		±1400V		±3500V	
	Max. Vin to Earth EN 61010-031:2002 +A1:2008	CAT II 600V CAT III 300V		CAT II 1000V CAT III 600V		CAT I 2300V CAT III 1000V	
	Impulse withstand	2500V		4000V		6000V	
CMRR (typical)	60Hz: > 80dB						
	100kHz: > 60dB						
	3MHz: > 40dB						
	10MHz: > 35dB						
Output swing	±7V (to 1Mohm load)						
Offset adjusting range (Scope gain=1X)	Coarse: ±150mV Fine: ±30mV						
Bandwidth limit filters	-3dB @ ~5MHz						
Diff. overvoltage detection level	100X: >  ±700  V 10X: >  ±70  V		200X: >  ±1400  V 20X: >  ±140  V		500X: >  ±3500  V 50X: >  ±350  V		
	100X: < 60mV 10X: < 10mV		200X: < 120mV 20X: < 20mV		500X: < 300mV 50X: < 50mV		
Temperature	Operating	0°C to 40°C (32°F to 104°F)					
	Storage	-30°C to 70°C (-22°F to 158°F)					
Humidity	Operating	5 to 85% RH (Relative Humidity) @ 0°C to 40°C (32°F to 104°F)					
	Storage	5 to 85% RH @ up to 40°C (104°F) 5 to 45% RH @ 40 to 70°C (104 to 158°F)					
Power by	USB port	USB (5V, < 250mA)					
	Battery (AA / R6 / LR6)	Up to 9 (3) hours of battery life on alkaline (zinc-carbon) batteries					
Body dimension (mm <sup>3</sup> )	145,45,20 (L,W,H)						
Weight	180g (Probe body only)						
Length of BNC / USB-cable	90 cm						
Length of Lead-cable	24 cm						

## Packing list

Item	Quantity
1. ADP device	1
2. Grip (Red, Black)	1,1
3. Extension cord 90cm (Red, Black)	1,1
4. Adjusting rod	1
5. Soft case	1

Manual Download link at <http://www.acute.com.tw>



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