

ACD-50NAV, ACD-53NAV, ACDC-54NAV CAT IV Navigator™ Clamp Meters



ACD-54NAV



ACD-50NAV



ACD-53NAV

Complete with a full range of diagnostic capabilities including phase sequence, power and power factor, total harmonics distortion and individual harmonics, inrush current and low pass filter, the Amprobe Navigator Clamp serves as a first line of defense for spot checking and verifying system conditions before deploying more specialized tools -- or incurring additional costs. It is rated CAT IV 600 V, CAT III 1000 V meter with voltage measurement up to 1000 V AC/DC. The new innovative navigation system eliminates confusing push buttons, and replaces them with a single joystick allowing the user to select functions directly on the display.

- True-rms
- Measurements
 - Voltage up to 1000 V AC/DC, resistance, frequency, THD (Total Harmonics Distortion) and individual harmonics form 1 to 25, power, power factor
 - AC Current
 - Up to 600 A (ACD-50NAV)
 - Up to 1.000 A (ACD-53NAV, ACDC-54NAV)
 - DC Current
 - Up to 1000 A (ACDC-54NAV)
 - Capacitance
 - Temperature measurement in °C or °F (ACDC-54NAV) - Temp. adapter and probe included
- Phase rotation indication
- Non-contact voltage detection
- Inrush current measurement for motors
- Low pass filter for variable frequency drives
- Continuity Beeper
- Min, Max and Smart Data Hold, Peak hold
- Auto torch-light when clamping
- Linterna automática durante el apriete
- Large 10,000 count display with active backlight and analog bar graph
- Auto Power Off
- Maximum jaw opening 1.63" (42mm)
- 4 feet drop proof (120 cm)
- Deluxe carrying case Included
- CAT IV 600 V /CAT III 1000 V safety standard

Comparison table:

Model	ACD-50NAV	ACD-53NAV	ACDC-54NAV
AC Current	600 A	1000 A	1000 A
DC Current	-	-	1000 A
Power	600 kW	1000 kW	1000 kW
Temperature	-	-	■
Clamp opening	37 mm	42 mm	42 mm

CAT IV Navigator™ Clamp Meters

It's all about easy and reliable measurements. Amprobe's new line of Navigator clamp meters feature quick, easy to use single hand selection of measurements. The joy stick control allows quick selection of measurement features on the display from MAX/MIN to power factor to AC/DC, with many more available. Simply highlight the desired measurement feature using the joy stick and press to select. Rugged and CAT IV reliable, these units also feature, super bright backlight display, built-in jaw flashlight and overmold bodies to absorb shock -- all you need for commercial and industrial environments.

ACD-50NAV	600A AC Navigator Clamp
ACD-53NAV	1000A AC TRMS Navigator Clamp
ACDC-54NAV	1000A AC / DC TRMS Navigator Clamp

Technical Data

General Specifications	ACD-50NAV	ACD-53NAV	ACD-54NAV	Best Accuracy
AC Current	100,00, 600,00 A	100,00, 1000,00 A		± (1,5% Rdg + 5 LSD)
DC Current			100,00, 1000,00 A	± (1,5% Rdg + 5 LSD)
AC Voltage	100 V, 1000 V			± (1,0% Rdg + 5 LSD)
DC Voltage	100 V, 1000 V			± (0,7% Rdg + 2 LSD)
Resistance	1,0000 K, 10,00 K, 100,00 K			± (1,0% Rdg + 3 LSD)
Frequency	20 Hz to 10 KHz			±(0,5% Rdg +3 LSD)
Capacitance	4,000 µF, 400,0 µF, 4000 µF			± (1,9% Rdg + 8 LSD)
Temperature			-58F to 1832F (-50°C to 1 000°C)	±(1% Rdg + 0,8°C)
THD (Total Harmonics Distortion)	0,1% to 100,0%			± (3,0% Rdg + 10 LSD)
Individual Harmonics	1 to 25			
Power	10 kW to 600 kW	10 kW to 1000 kW		± (2,5% Rdg + 5 LSD)
Dimensions (HxWxD)	238,3 x 87,3 x 51,0 mm	260 x 87,3 x 51,0 mm		
Weight	380 g	420 g		
Accessories	Test leads (one pair), Carrying case and Manual	Test leads (one pair), Carrying case and Manual	Test leads (one pair), Temp. adapter probe, Carrying case and Manual	

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