

# Current Probes

## A621 • A622 Data Sheet



A621



A622

## Features & Benefits

### A621

- AC – 5 Hz to 50 kHz
- 100 mA to 2000 A Peak
- For DMMs and Oscilloscopes
- Clamp On

### A622

- AC/DC – 100 kHz
- 50 mA to 100 A Peak
- For DMMs and Oscilloscopes

## Applications

- Motor Drives
- Inverters
- Power Supplies
- Avionics

The A600 Series current probes high-value current probes are specifically designed to support measurements you make with your TekMeter® or oscilloscope\*1.

### A621 2000 Amp AC Current Probe/BNC

This industrial-style clamp-on probe has a BNC connector and may be used with a shrouded banana plug adapter\*1 so it can be used on digital multimeters, TekMeter, and scopes. The A621 can measure AC currents from 100 mA to 2000 A peak over a frequency range of 5 Hz to 50 kHz. It provides a 1 mV, 10 mV, or 100 mV output for each Amp measured.

### A622 100 Amp AC/DC Current Probe/BNC

This "long nose" style clamp-on probe uses a Hall Effect current sensor to provide a voltage output to oscilloscopes. It has a BNC connector and may be used with a shrouded banana plug adapter\*1 so it can also be used on digital multimeters, TekMeter, and scopes. The A622 can measure AC/DC currents from 50 mA to 100 A peak over a frequency range of DC to 100 kHz. It provides 10 mV or 100 mV output for each Amp measured.

## Recommended Products

TPS2000, TDS1000B, TDS2000C, and TDS3000C Series oscilloscopes and DMM4020\*1, DMM4040\*1, and DMM4050\*1 digital multimeters.

\*1 For instruments with banana jack inputs, Tektronix part number 012-1450-00 Female BNC to banana lead adapter is required.

## Characteristics

Characteristic	A621	A622
Frequency Range	5 Hz to 50 kHz	DC to 100 kHz
Max Input Current	2000 A peak	100 A peak
Output	1 mV/A, 10 mV/A, 100 mV/A	10 mV/A, 100 mV/A
Max Conductor Diameter	54 mm (2.13 in.)	11.8 mm (0.46 in.)
Termination	BNC*1	BNC*1
Max Bare-wire Voltage	600 V (CAT III)	600 V (CAT III)
Safety	UL3111-2-032 CSA1010.2-032 EN61010-2-032 IEC61010-2-032	UL3111-2-032 CSA1010.2-032 EN61010-2-032 IEC61010-2-032

\*1 For instruments with banana jack inputs, Tektronix part number 012-1450-00 Female BNC to banana lead adapter is required.

## Ordering Information

### A621

2000 A AC Current Probe/BNC.

### A622

100 A AC/DC Current Probe/BNC.

## Service

Option	Description
Opt. R3	Repair Service 3 Years.
Opt. R5	Repair Service 5 Years.

## Recommended Accessories

Accessory	Description
012-1450-xx	Adapter, lead; discrete – MLD, 2, 18 AWG, dual insul, BNC, female X 4 mm dual insul; banana jack X dual insul plug, shield banana



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## Contact Tektronix:

ASEAN / Australasia (65) 6356 3900

Austria 00800 2255 4835\*

Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777

Belgium 00800 2255 4835\*

Brazil +55 (11) 3759 7627

Canada 1 800 833 9200

Central East Europe and the Baltics +41 52 675 3777

Central Europe & Greece +41 52 675 3777

Denmark +45 80 88 1401

Finland +41 52 675 3777

France 00800 2255 4835\*

Germany 00800 2255 4835\*

Hong Kong 400 820 5835

India 000 800 850 1835

Italy 00800 2255 4835\*

Japan 81 (3) 6714 3010

Luxembourg +41 52 675 3777

Mexico, Central/South America & Caribbean 52 (55) 56 04 50 90

Middle East, Asia, and North Africa +41 52 675 3777

The Netherlands 00800 2255 4835\*

Norway 800 16098

People's Republic of China 400 820 5835

Poland +41 52 675 3777

Portugal 80 08 12370

Republic of Korea 001 800 8255 2835

Russia & CIS +7 (495) 7484900

South Africa +41 52 675 3777

Spain 00800 2255 4835\*

Sweden 00800 2255 4835\*

Switzerland 00800 2255 4835\*

Taiwan 886 (2) 2722 9622

United Kingdom & Ireland 00800 2255 4835\*

USA 1 800 833 9200

\* European toll-free number. If not accessible, call: +41 52 675 3777

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**For Further Information.** Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit [www.tektronix.com](http://www.tektronix.com)



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