Advanced Test Equipment Corp.
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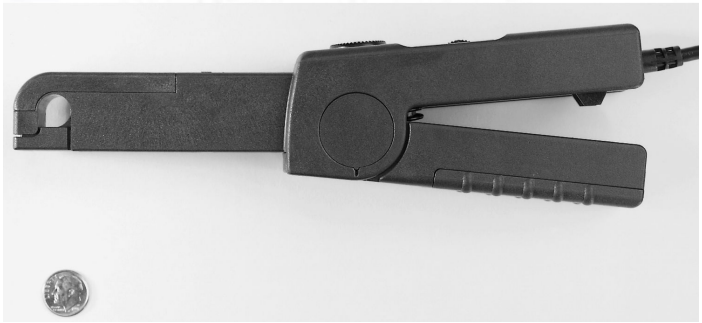
Tektronix®

Current Probes Datasheet

A621 and A622 Datasheet



The A600 Series current probes are specifically designed to support measurements with the TekMeter® or oscilloscope.

Features and 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

A621 2000 Amp AC Current probe/BNC

This industrial-style clamp-on probe has a BNC connector and can be used with a shrouded banana plug adapter [1] so it can be used on digital multimeters, TekMeter, and oscilloscopes. 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 can be used with a shrouded banana plug adapter[1] so it can also be used on digital multimeters, TekMeter, and oscilloscopes. 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.

Specifications

All specifications are guaranteed unless noted otherwise. All specifications apply to all models unless noted otherwise.

Model overview

Characteristic	A621	A622
Frequency range	5 Hz to 50 kHz	DC to 100 kHz
Maximum input current	2000 A peak	100 A peak
Output	1 mV/A, 10 mV/A, 100 mV/A	10 mV/A, 100 mV/A
Maximum conductor diameter	54 mm (2.13 in.)	11.8 mm (0.46 in.)
Termination	BNC[1]	BNC[1]
Maximum 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

Ordering information

A621	2000 A AC Current probe/BNC.
A622	100 A AC/DC Current probe/BNC.

Recommended accessories

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

Service options

Opt. R3	Repair Service 3 Years (including warranty)
Opt. R5	Repair Service 5 Years (including warranty)

Tektronix is ISO 14001:2015 and ISO 9001:2015 certified by DEKRA.

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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.tek.com*.

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