

Current Probes

A621 & 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 adapter¹ 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 adapter¹ 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 DMM4020¹, DMM4040¹, and DMM4050¹ 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.

| 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 |
|-------------|---|

Options

Service options

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



Tektronix is registered to ISO 9001 and ISO 14001 by SRI Quality System Registrar.

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