

Current Probes

TRCP0300 TRCP0600 TRCP3000 Current Probes



The TRCP Series Rogowski current probes are equipped with a BNC connector and work with any instrument supporting the BNC interface. Rogowski probes allow you to easily connect to large connection points such as bus bars or connect to small IC legs on a MOSFET or IGBT.

Key features

- TRCP0300
 - AC only
 - 9 Hz to 30 MHz
 - 250 mA to 300 A peak
- TRCP0600
 - AC only
 - 12 Hz to 30 MHz
 - 500 mA to 600 A peak
- TRCP3000
 - AC only
 - 1 Hz to 16 MHz
 - 500 mA to 3,000 A peak

Applications

- Motor drives
- Inverters
- Power supplies
- Industrial

TRCP0300-TRCP0600 Current Probes

The TRCP0300 and TRCP0600 are designed for use on small form factor components. These AC-only Rogowski probes have a thin, flexible coil that can easily be wrapped around test points such as the leg of a transistor.

TRCP3000 Current Probe

The TRCP3000 has a larger coil that is capable of handling large overload currents without damage. This probe is easy to use and can be inserted into places that are hard to reach and can be wrapped around larger test points such as bus bars.

Specifications

| | TRCP0300 | TRCP0600 | TRCP3000 |
|---|-------------------|-------------------|-------------------|
| Frequency range | 9 Hz to 30 MHz | 12 Hz to 30 MHz | 1 Hz to 16 MHz |
| Peak current | 300 A | 600 A | 3000 A |
| Minimum current | 250 mA | 500 mA | 500 mA |
| Sensitivity | 20 mV/A | 10 mV/A | 2 mV/A |
| External probe attenuation setting on scope | 50X | 100X | 500X |
| Accuracy (typical) | +/- 2% of reading | +/- 2% of reading | +/- 2% of reading |
| Coil diameter | 1.7 mm | 4.5 mm | 8.5 mm |
| Termination | 1 M Ω BNC | 1 M Ω BNC | 1 M Ω BNC |

Ordering information

TRCP Series Rogowski Current Probes

| | |
|----------|---|
| TRCP0300 | 300 A, AC-Only Rogowski Current Probe |
| TRCP0600 | 600 A, AC-Only Rogowski Current Probe |
| TRCP3000 | 3,000 A, AC-Only Rogowski Current Probe |

Standard accessory

AC power adapter

Options

Service options

| | |
|-----------|---|
| Opt. C3 | Calibration Service 3 Years |
| Opt. C5 | Calibration Service 5 Years |
| Opt. D1 | Calibration Data Report |
| Opt. D3 | Calibration Data Report 3 Years (with Opt. C3) |
| Opt. D5 | Calibration Data Report 5 Years (with Opt. C5) |
| Opt. R3 | Repair Service 3 Years (including warranty) |
| Opt. R3DW | Repair Service Coverage 3 Years (includes product warranty period). 3-year period starts at time of instrument purchase |
| Opt. R5 | Repair Service 5 Years (including warranty) |
| Opt. R5DW | Repair Service Coverage 5 Years (includes product warranty period). 5-year period starts at time of instrument purchase |



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ASEAN / Australasia (65) 6356 3900
Belgium 00800 2255 4835*
Central East Europe and the Baltics +41 52 675 3777
Finland +41 52 675 3777
Hong Kong 400 820 5835
Japan 81 (3) 6714 3086
Middle East, Asia, and North Africa +41 52 675 3777
People's Republic of China 400 820 5835
Republic of Korea +822 6917 5084, 822 6917 5080
Spain 00800 2255 4835*
Taiwan 886 (2) 2656 6688

Austria 00800 2255 4835*
Brazil +55 (11) 3759 7627
Central Europe & Greece +41 52 675 3777
France 00800 2255 4835*
India 000 800 650 1835
Luxembourg +41 52 675 3777
The Netherlands 00800 2255 4835*
Poland +41 52 675 3777
Russia & CIS +7 (495) 6647564
Sweden 00800 2255 4835*
United Kingdom & Ireland 00800 2255 4835*

Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777
Canada 1 800 833 9200
Denmark +45 80 88 1401
Germany 00800 2255 4835*
Italy 00800 2255 4835*
Mexico, Central/South America & Caribbean 52 (55) 56 04 50 90
Norway 800 16098
Portugal 80 08 12370
South Africa +41 52 675 3777
Switzerland 00800 2255 4835*
USA 1 800 833 9200

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

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