

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 MΩ BNC	1 MΩ BNC	1 MΩ 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



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

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

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.

Copyright © Tektronix, Inc. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks, or registered trademarks of their respective companies.

