



TCP202 DC Coupled Current Probe

Easy Current Measurements

Probe Connects Directly to TDS Scope through TEKPROBE™ Interface

Split Core Construction for Easy Circuit Connection

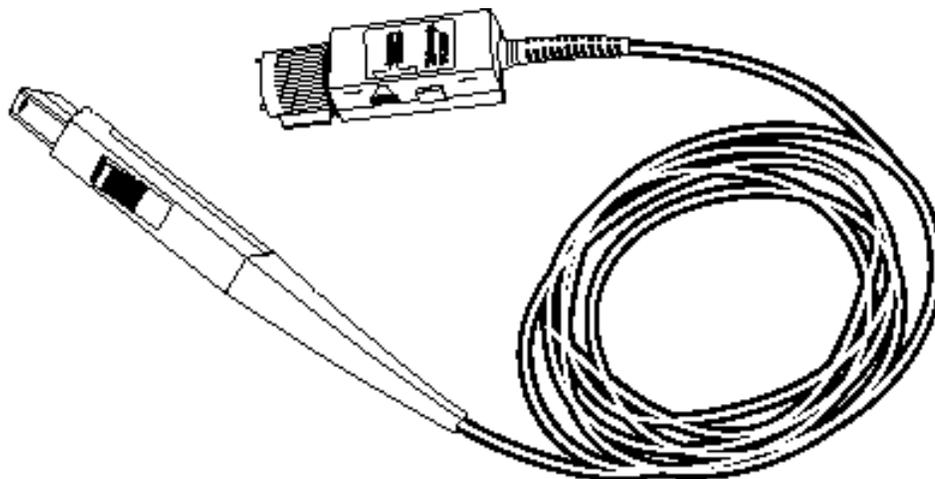
DC to 50 MHz Bandwidth

15 Amps DC + Peak AC Current

50 Amps Peak Pulse Current

500 x 10⁻⁶ Amp * Sec Product

UL, CSA, CE Marking



When combined with a Tektronix TDS oscilloscope, the TCP202 enables users to make direct readout DC and AC current measurements, resulting in accurate displayed and recorded measurements.

The TCP202 is a general-purpose probe for displaying and measuring current in electronic circuits. It's ideal for power supply and motor drive design, and for device testing.

STANDARD SPECIFICATIONS

| | |
|---------------------------------|---|
| Bandwidth | DC to 50 MHz |
| Max DC + Peak AC Current | 15 A |
| Max Peak Pulse Current | 50 A |
| Minimum Sensitivity | 10 mA/div |
| DC Accuracy | ±1% (with probe calibrator) ±3% (without probe calibrator) |
| Max Bare Wire Voltage | 300 V (Cat I) |

TYPICAL CHARACTERISTICS

| | |
|--|----------------------------------|
| Insertion Impedance | 0.002 at 1 kHz 0.1 at 5 MHz |
| Propagation Delay | 17 ns |
| Max Conductor Diameter | 3.8 mm (0.15 inch) |
| Electrostatic Immunity (per IEC 801-2) | > 8 kV |
| Amp * Sec Product | 500 x 10 ⁻⁶ Amp * Sec |
| Rise Time | 7.0 ns |

PHYSICAL CHARACTERISTICS

| | |
|---------------------|-------------------|
| Weight | 0.19 kg (0.44 lb) |
| Cable Length | 2.2 m (7.2 ft) |

POWER REQUIREMENTS

TCP202 is powered by the TDS oscilloscope via the TEKPROBE™ interface

SAFETY CERTIFICATIONS

UL 3111-1
CSA 1010.1
IEC 1010-1, 1010-2-032



TCP202 DC Coupled Current Probe

For further information,
contact Tektronix:

| | |
|---|--|
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From other areas, contact:

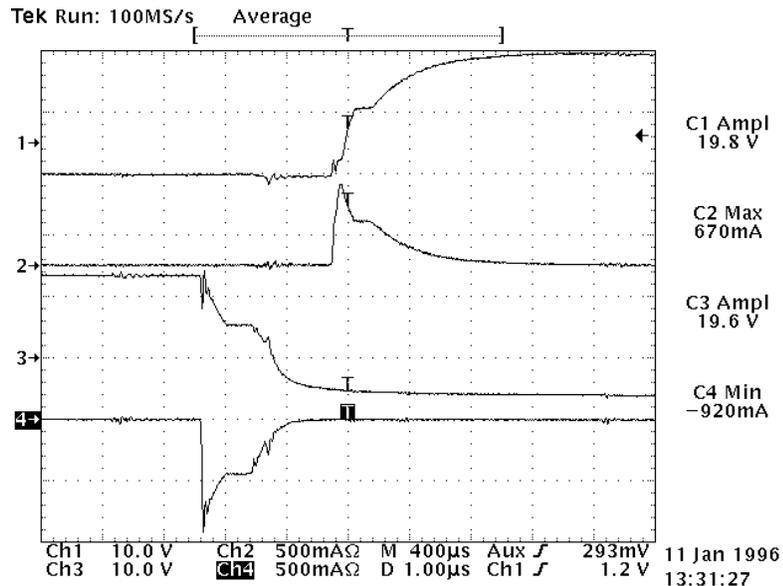
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TCP202 – IGBT current and voltage waveforms

ORDERING INFORMATION

TCP202 DC COUPLED CURRENT PROBE

Includes: Instruction manual (070-9542-00), reference manual (070-9543-00)

RECOMMENDED ACCESSORIES

Probe Calibrator (015-0672-50)
Use with TDS 520B, TDS 540B, TDS 724A, TDS 744A, and TDS 784A for improved accuracy

TDS 7U01 Upgrade Kit
For TDS 744A and TDS 784A

RECOMMENDED OSCILLOSCOPES

TDS 520B

TDS 540B

TDS 724A

TDS 744A (S/N B040100 or higher)

TDS 784A (S/N B040100 or higher)

TDS 744A and TDS 784A with S/N B030XXX or lower can be upgraded to the latest version using the TDS 7U01 Upgrade Kit

The TCP202 operates with all other TDS 400, TDS 500, TDS 600, and TDS 700 series oscilloscopes; the scale factor will be correct, but measurement will be indicated as V instead of A. Please check with your local Tektronix Service Center

RELATED PRODUCTS

1103
TEKPROBE Power Supply (for use with non-TEKPROBE BNC scopes)

ADA400A
Differential Preamplifier

P5205
High Voltage Differential Probe