

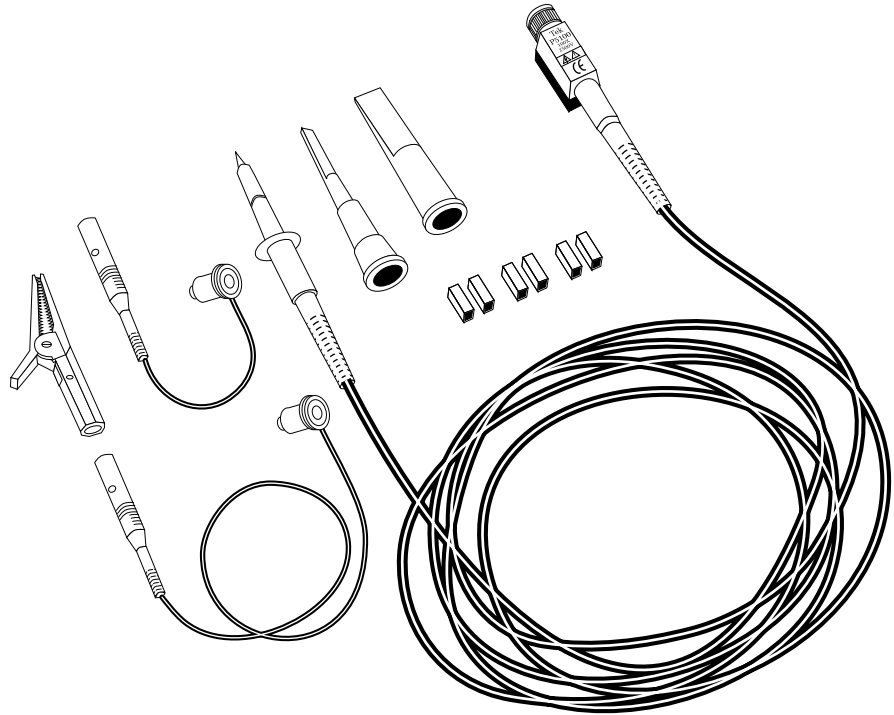
# High Voltage Passive Probe

## P5102

### Features

#### P5102

- 1000 V Maximum Input Voltage
- 100 MHz Bandwidth
- 5 M $\Omega$  Input Resistance
- Stable Adjustments for Accurate and Reliable Measurements
- Rugged Probe Head and Accessories for Harsh Environments
- UL 3111-1 Certified for 1000 V AC RMS (complies with IEC 1010)



The choice for high performance, safe, and affordable measurement of high frequency and high voltage signals. The P5102 High Voltage Passive Probe can measure high

voltage signals in switch-mode power devices and can make a direct connection to bus bars and large bolts without extra wires or awkward adapters.

### CHARACTERISTICS

**Input C (System)** –  $\leq 11.2$  pF  
(w/ THS system)  
**Input R (System)** – 5 M $\Omega$  at DC  
**Rise Time (Probe only)** –  $\leq 3.5$  ns  
(w/ THS system)

#### STANDARD SPECIFICATIONS

**Bandwidth** – 100 MHz  
**Maximum Input Voltage** – 1000 V AC RMS  
Cat. II (w/ THS system)  
**Attenuation** – 10X  $\pm 1.25\%$  as shipped  
**Compensation Range** – 24 to 28 pF  
**Electrostatic Immunity (Per IEC 801-2)** –  
> 8 kV

#### PHYSICAL CHARACTERISTICS

**Cable Length** – 2 m (78.8 in.)  
**Weight (net)** – 0.26 kg (0.57 lb)

CE



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<http://www.tek.com>

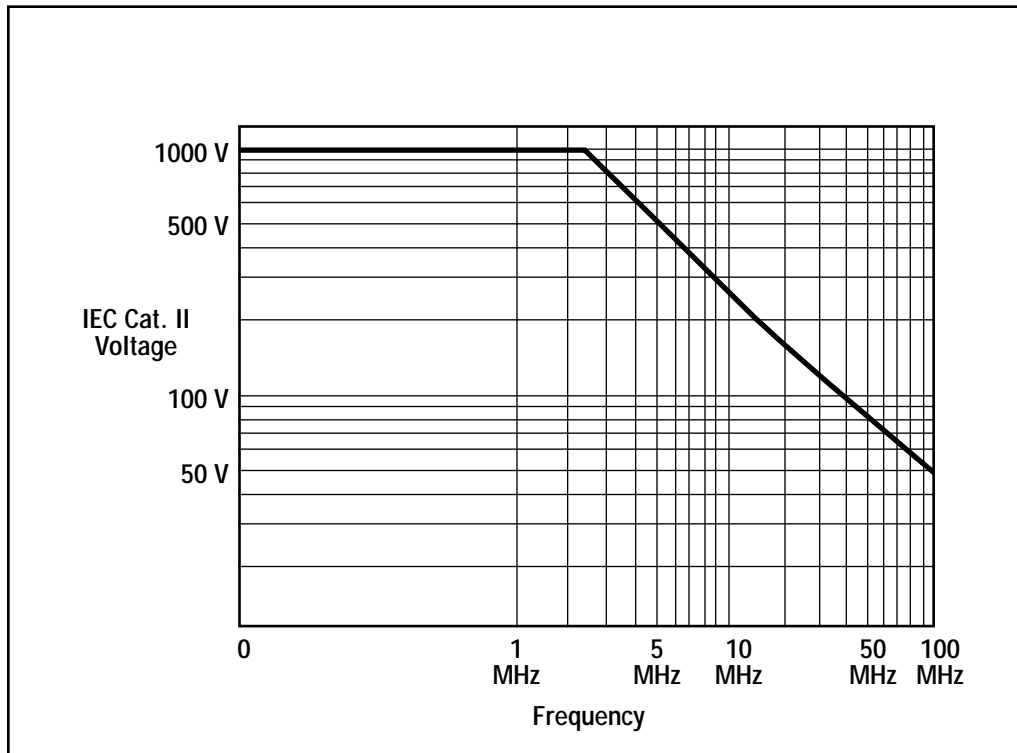


Tektronix Measurement  
products are manufactured  
in ISO registered facilities.

**Tektronix**

# High Voltage Passive Probe

## P5102



### ORDERING INFORMATION

#### P5102 HIGH VOLTAGE PASSIVE PROBE

Includes: 6 in. ground lead, 18 in. ground lead with 4 mm shielded banana plug, crocodile clip, small retractable hook tip, large retractable hook tip, two pairs of color cable markers, adjustment tool, Instruction Manual

#### RECOMMENDED ACCESSORIES

Probe Tip to BNC Adapter  
(013-0291-00)

0.080 inch Diameter Spring Tip  
(206-0060-00)

#### RECOMMENDED OSCILLOSCOPES

THS 700 Series

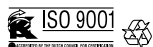
#### RELATED PRODUCTS

A621 2000 Amp AC Current Probe  
A622 100 Amp AC/DC Current Probe  
P6117 10X Passive Voltage Probe  
THS7BAT THS 700 Battery  
THS7CHG THS 700 Battery Charger  
THS7HCA THS 700 Hard Case

For further information, contact Tektronix:

World Wide Web: <http://www.tek.com>; ASEAN Countries (65) 356-3900; Australia & New Zealand 61 (2) 888-7066; Austria, Eastern Europe, & Middle East 43 (1) 7 0177-261; Belgium 32 (2) 725-96-10; Brazil and South America 55 (11) 3741 8360; Canada 1 (800) 661-5625; Denmark 45 (44) 850700; Finland 358 (9) 4783 400; France & North Africa 33 (1) 69 86 81 08; Germany 49 (221) 94 77-400; Hong Kong (852) 2585-6688; India 91 (80) 2275577; Italy 39 (2) 250861; Japan (Sony/Tektronix Corporation) 81 (3) 3448-4611; Mexico, Central America, & Caribbean 52 (5) 666-6333; The Netherlands 31 23 56 95555; Norway 47 (22) 070700; People's Republic of China (86) 10-62351230; Republic of Korea 82 (2) 528-5299; Spain & Portugal 34 (1) 372 6000; Sweden 46 (8) 629 6500; Switzerland 41 (41) 7119192; Taiwan 886 (2) 765-6362; United Kingdom & Eire 44 (1628) 403300; USA 1 (800) 426-2200

From other areas, contact: Tektronix, Inc. Export Sales, P.O. Box 500, M/S 50-255, Beaverton, Oregon 97077-0001, USA (503) 627-1916



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