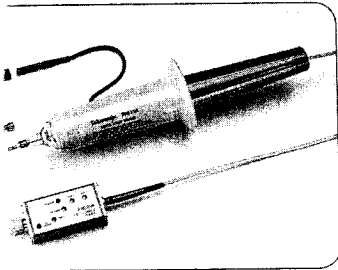


## Five High Voltage Probes

5102 • P6015A • P5120



5A.

### Characteristics

#### 5102/P5102/P5120/P6015A

Nominal Length	Attenuation	Bandwidth	Rise time (typical)	Loading	Max. Input V DC or RMS	Max. Float V	Comp. Range in pF	Readout
10 ft.	100X	250 MHz	1.75 ns	10 MΩ/ 2.75 pF	2.5 kV (DC + Pk AC) 1,000 V CAT III	N/A	7 to 30	Yes
2 m	10X	100 MHz	3.5 ns	5 MΩ/ 11.2 pF	1,000 V <sub>RMS</sub> CAT II	600 V <sub>RMS</sub> CAT II	24 to 28	No
3 m	20X	200 MHz	2.2 ns	5 MΩ/ 11.2 pF	1,000 V <sub>RMS</sub> CAT II	600 V <sub>RMS</sub> CAT II, 300 V <sub>RMS</sub> CAT III	15 to 25	No
10 ft.	1000X	75 MHz	4.0 ns	100 MΩ/ 3 pF	20 kV	N/A	7 to 49	No
10 ft.	1000X	75 MHz	4.0 ns	100 MΩ/ 3 pF	20 kV	N/A	7 to 49	Yes
25 ft.	1000X	25 MHz	14 ns	100 MΩ/ 4 pF	20 kV	N/A	7 to 49	No
25 ft.	1000X	25 MHz	14 ns	100 MΩ/ 4 pF	20 kV	N/A	7 to 49	Yes

### Ordering Information

Price information is available worldwide on-line from the Tektronix web site or from your local Tektronix representative. Inside the U.S., also see the price list in the back of this catalog.

#### 5102

10 ft. High Voltage Probe.

**Includes:** Cable markers set, 1 each crocodile clip, 1 adjustment tool, 1 each hooktip (small), 1 each hooktip (large), 1 each 18-inch ground lead, 1 each 6-inch common lead, instruction manual (070-8151-04).

#### Recommended Accessories

**Tip to BNC Adapter** –

013-0291-00.

**1/4 in. Diameter Spring Tip** –

206-0060-00.

#### 5120

High Voltage Probe for THS700 Series.

**Includes:** Large retractable hook tip, small retractable hook tip, 6-inch common lead, 18-inch common lead, crocodile clip, colored cable markers, adjustment tool, instruction manual (070-9294-00).

#### P5120

20X, High Voltage Probe for TPS2000 Series.

**Includes:** Large retractable hook tip, small retractable hook tip, 6-inch common lead, 18-inch common lead, large crocodile clip, colored cable markers, adjustment tool, instruction manual (071-1463-00).

#### P6015A

1,000X, 10-foot High Voltage Probe.

**Includes:** Hook probe tip (206-0463-00); banana plug tip (134-0016-00); crocodile clip – plugs onto ground lead (344-0461-00); ground lead (196-3363-00); carrying case (016-1147-00); instruction manual (070-8223-04).

**Opt. 1R** – 10 ft. with readout.

**Opt. 25** – 25 ft. without readout.

**Opt. 2R** – 25 ft. with readout.

#### Service (P6015 only)

**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 Option C3).

**Opt. D5** – Calibration Data Report 5 Years (with Option C5).

**Opt. R3** – Repair Service 3 Years.

**Opt. R5** – Repair Service 5 Years.

► For your local Tektronix representative see the list in the back of this catalog or outside the U.S. call: 1-503-627-7111, inside the U.S. call: 1-800-833-9200.

CE Marking Not Applicable for P6015A.

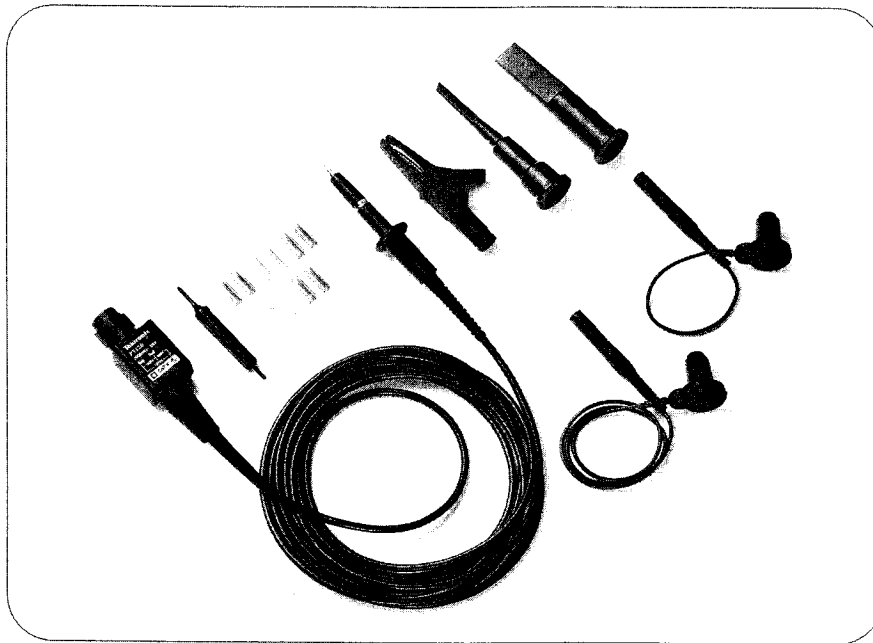
CE P5100/P5102



Tektronix measurement products are manufactured in ISO registered facilities.

# Passive High Voltage Probes

P5100 • P5102 • P6015A • **NEW** P5120



► P5120.

## P5100 High Voltage Probe

The P5100 is a low-input capacitance High Voltage Probe (2.5 kV) designed for higher frequency applications. The probe can be compensated to match plug-ins and oscilloscopes with nominal input capacitances of 7 to 30 pF. A variety of screw-on accessories provide easy connection to the device under test.

## P5102 & P5120 IsolatedChannel™ Applications

In many applications, it is important to be able to isolate the measurement from earth ground and also to isolate the common voltage between channels. The P5102, paired with the THS700

Series handheld digital storage oscilloscopes, and the P5120, coupled with the TPS2000 Series digital storage oscilloscopes, deliver both the isolation for the measurement from earth ground and full isolation between the channels.

The 100 MHz P5102 is designed to give you isolated channel performance for up to 1,000 V<sub>RMS</sub> CAT II when used with the THS700 Series oscilloscopes. The 200 MHz P5120 passive high voltage probe, for use with the TPS2000 Series oscilloscopes, is designed to give you up to 1,000 V<sub>RMS</sub> CAT II of isolated channel performance. A variety of screw-on adapters are available for easy connection to the device under test.

## ► Features & Benefits

### P5100

DC to 250 MHz  
1000V CAT III (2500 V DC + Peak AC)  
100X with Readout Coding  
UL3111-1, EN61010-1,  
IEC61010-2-031, CSA1010.1,  
CSA1010.2.031  
7 to 30 pF Compensation Range

### P5102

DC to 100 MHz  
1,000 V<sub>RMS</sub> CAT II  
Floatable up to 600 V<sub>RMS</sub> CAT II  
or 300 V<sub>RMS</sub> CAT III  
10X  
For THS700 Series  
UL3111-1, EN61010-1,  
IEC61010-2-031, CSA1010.1,  
CSA1010.2.031

### P5120

DC to 200 MHz  
1,000 V<sub>RMS</sub> CAT II  
Floatable up to 600 V<sub>RMS</sub> CAT II  
or 300 V<sub>RMS</sub> CAT III  
20X  
15 to 25 pF Compensation Range  
For TPS2000 Series  
UL61010B-2-031, EN61010-2-031,  
IEC61010-2-031, CSA61010.2.031

### P6015A

High Voltage – 20 kV DC/40 kV Peak  
(100 ms Pulse Width)  
High Bandwidth – 75 MHz  
Silicone Dielectric  
Optional 1,000X Readout Coding  
Wide Compensation Range  
(7 to 49 pF)  
Heavy Duty Versatile Ground Lead  
and Alligator Clip

## ► Applications

Power Supply Design  
Design Motor Drive  
Electronic Ballast  
Power Semiconductors  
Switch Mode Control  
UPS Systems  
Power Converters