

# Passive 1X/10X Voltage Probe

▶ P2220



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## P2220 Passive Voltage Probe

The P2220 200-MHz Passive Voltage Probe permits selection of 1X or 10X attenuation, using a switch located on the probe head.

This probe is compatible with TDS200, TDS1000, TDS2000, and TPS2000 Series oscilloscopes. The P2220 probe also provides floating measurement capability up to 30 V<sub>RMS</sub> with TPS2000 Series oscilloscopes only. **(Note:** Do not float with TDS2000, TDS1000 or TDS200 Series oscilloscopes.)

### ▶ Features & Benefits

- 1X/10X Attenuation
- 200 MHz Bandwidth
- 1.5 Meter Length
- UL3111-1, CSA1010.1, EN61010-1, EN61010-2-031 and IEC61010-2-031

### ▶ Applications

- Relative Low Frequency Measurements
- Low Frequency Computer and Telecom Measurements
- Power Supplies
- Low Frequency Amplifiers

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# P2220 Passive Voltage Probe

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## ▶ Characteristics

### X10 Position

Bandwidth – DC: 200 MHz.

Probe Length – 1.5 m.

Attenuation Ratio – 10:1.

Compensation Range – 15 to 25 pF.

Input Capacitance – 17.0 pF.

Input Resistance – 10 MΩ.

Maximum Input Voltage – 300 V CAT II.

Maximum Voltage Between Reference Lead and Earth Ground –  $30 V_{RMS}^{*1}$ .

### X1 Position

Bandwidth – DC: 6 MHz.

Probe Length – 1.5 m.

Attenuation Ratio – 1:1.

Compensation Range – All scopes with 1 MΩ input.

Input Capacitance – 110 pF.

Input Resistance – 1 MΩ.

Maximum Input Voltage – 150 V CAT II.

Maximum Voltage Between Reference Lead and Earth Ground –  $30 V_{RMS}^{*1}$ .

\*1 The float voltage must be subtracted from the tip to earth ground voltage. For example, if the reference lead is floated to  $30 V_{RMS}$ , the tip voltage to the reference lead is limited to  $270 V_{RMS}$ .

## ▶ Ordering Information

### P2220

1X/10X, 200 MHz Passive Voltage Probe.

**Includes:** Retractable hook tip (013-0318-00), 6 in. ground lead (196-3466-02), Adjustment tool (003-1873-00), Marker band set (016-1315-00), Instruction manual (071-1464-00).

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Our most up-to-date product information is available at:  
[www.tektronix.com](http://www.tektronix.com)



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