

HVP120

High Voltage Probes



Key Features

- 400 MHz probe bandwidth
- 900 ps rise time
- 1000 Vrms maximum input
- Up to 6 kV transient overvoltage

The HVP120 is a high voltage passive probe designed for probing up to 1,000 Vrms and capable of handling up to 6,000 V peak transients. Its fast rise time and excellent frequency response make it suitable for a wide variety of high voltage measurement applications. The HVP120 features a spring loaded probe tip and a variety of standard accessories to make probing high voltages safe and easy.

Specifications

Electrical Characteristics

| | |
|-------------------------|---|
| Bandwidth | 400 MHz |
| Risetime (10% - 90%) | 900 ps (typical) |
| Maximum Input Voltage* | |
| Measurement Category II | 1000 Vrms |
| Measurement Category I | 4000V Transient Overvoltage at 1000 Vrms 6000V Transient Overvoltage at 0 Vrms |
| Pollution Degree* | 2 |
| Input Capacitance | 7.5 pF (typical) |
| Compensation Range | 10 pF - 50 pF (typical) |
| Attenuation Ratio | 100:1 ± 2% |

Environmental

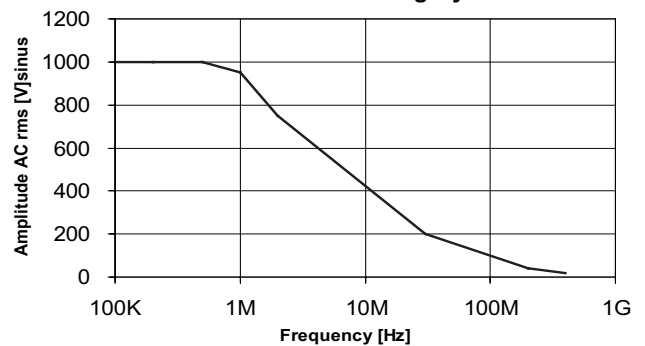
| | |
|-----------------------------|--|
| Temperature (Operating) | 0°C to 50°C |
| Temperature (Non-Operating) | -40°C to 71°C |
| Humidity (Operating) | 80% RH (Non-Condensing) up to 31°C, decreasing linearly to 40% RH at 50°C |
| Altitude (Operating) | up to 2,000 m |
| Altitude (Non-Operating) | up to 15,000 m |

General Characteristics

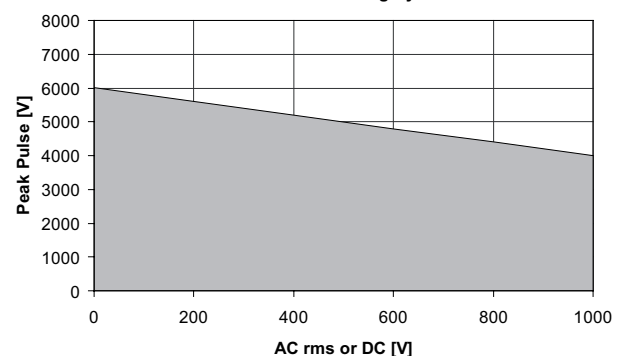
| | |
|--------------------|--------------------|
| Weight (probe) | 67 g (0.15 lbs) |
| Cable Length | 2 m (6.56 ft) |
| Probe Tip Diameter | 5 mm (0.20 inches) |

* As defined in IEC 61010-031

Typical Voltage Derating HVP120
Measurement Category I



HVP120 RMS vs. Peak Pulse Voltage
Measurement Category I



ORDERING INFORMATION

Product Description

Product Code

| | |
|--|-----------|
| 400 MHz, High Voltage Passive Probe | HVP120 |
| High Voltage Replacement Accessories Kit | PK-HV-002 |

Replacement Accessories

One of each of the following accessories are included with the HVP120. Replacement quantities are listed below.

| | |
|--|-------------|
| Coding Rings (set) 4 Colors (Qty 3 also included standard) | PK1-5MM-106 |
| Ground Lead 22 cm to 4 mm Banana plug (Qty 1) | PK1-5MM-122 |
| Solid Tip 0.8 mm (Qty 5) | PK1-5MM-125 |
| Spring Tip 0.8 mm (Qty 5) | PK1-5MM-126 |
| BNC Adapter 5.0-L (Qty 1) | PK1-5MM-127 |
| Insulating Cap 5.0-L (Qty 1) | PK1-5MM-128 |
| Protection Cap 5.0-L (Qty 1) | PK1-5MM-129 |
| Sprung Hook 5.0-L (Qty 1) | PK1-5MM-130 |
| Adjustment Tool T (Qty 1) | PK1-5MM-131 |
| Flexible Adapter 5.0-L (Qty 1) | PK1-5MM-132 |
| Safety Alligator Clip red (Qty 1) | PK1-5MM-133 |
| Ground Lead 22 cm (Qty 1) | PK1-5MM-134 |

Customer Service

Teledyne LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year. This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge



1-800-5-LeCroy
teledynelecroy.com

Local sales offices are located throughout the world.
Visit our website to find the most convenient location.