TELEDYNE LECROY
Everywhereyoulook™

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

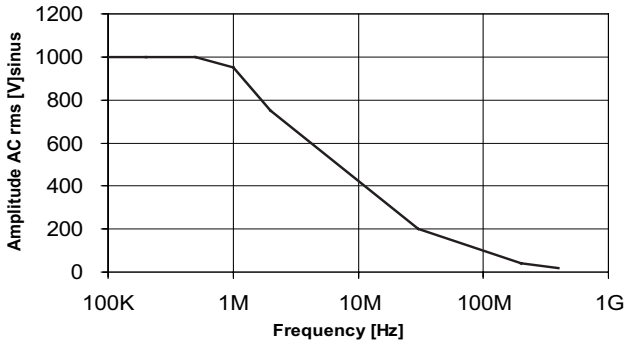
Temperature (Operating)	0°C to 50°C
Temperature (Non-Operating)	-40°C to 71°C
Humidity (Operating)	80% RH (Non-Condensing) up to 31°C, decreasing linearly to 40% RH at 50°C
Altitude (Operating)	up to 2,000 m
Altitude (Non-Operating)	up to 15,000 m

General Characteristics

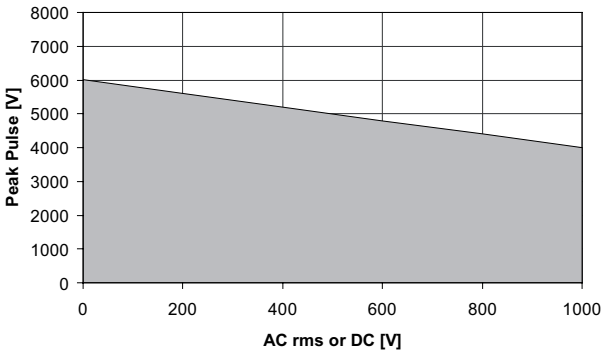
Weight (probe)	67 g (0.15 lbs)
Cable Length	2 m (6.56 ft)
Probe Tip Diameter	5 mm (0.20 inches)

** 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

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1-800-5-LeCroy
teledynelecroy.com

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

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