

# High Voltage Passive Probes

PPE6KV-A  
HVP120



## Key Features

- 2000 V<sub>rms</sub> input
- 6000 V<sub>peak</sub> transients
- Up to 500 MHz bandwidth
- Ideal for Surge/EFT testing

The PPE6KV-A and HVP120 can handle up to 6000 V<sub>peak</sub> transient overvoltages and are designed for probing up to 2000 V<sub>rms</sub> and 1000 V<sub>rms</sub> respectively. Fast rise times, excellent frequency response, and a variety of standard accessories make these probes safe and ideal for high voltage measurement applications.

## Specifications

Electrical Characteristics	PPE6KV-A	HVP120
Bandwidth	500 MHz	400 MHz
Risetime (10% - 90%)	800 ps (typical)	900 ps (typical)
Maximum Input Voltage		
Measurement Category II*	1000 V <sub>rms</sub> 1500 V <sub>dc</sub>	1000 V <sub>rms</sub>
Measurement Category I**	6 kV transient at 0 V <sub>rms</sub> 4 kV transient at 2000 V <sub>rms</sub>	6 kV transient at 0 V <sub>rms</sub> 4 kV transient at 1000 V <sub>rms</sub>
Pollution Degree*	2	
Input Capacitance	2.8 pF (typical)	7.5 pF (typical)
Compensation Range	10 pF - 30 pF (typical)	10 pF - 50 pF (typical)
Attenuation Ratio	100:1 ± 2%	

## Environmental

Temperature (Operating)	0°C to 50°C
Temperature (Non-Operating)	-40°C to 70°C
Humidity (Operating)	90% RH (non-condensing) up to 31°C, decreasing linearly to 50% RH at 50°C
Altitude (Operating)	up to 2,000 m
Altitude (Non-Operating)	up to 15,000 m

## General Characteristics

Weight (probe)	80 g (2.8 oz)	68 g (2.4 oz)
Cable Length	2 m (6.56 ft)	
Probe Tip Diameter	8.6 mm (0.34 inches)	5 mm (0.20 inches)

\* As defined in IEC 61010-031:2015

\*\* Category I as defined in IEC 61010-031:2008. No Rated Measurement Category as defined in IEC 61010-031:2015.

# ORDERING INFORMATION

## Product Description

2 kV HV Probe, 6 kV overvoltage capability  
 1 kV HV Probe, 6 kV overvoltage capability  
 PPE6KV-A Replacement Accessories Kit  
 HVP120 Replacement Accessories Kit

## Product Code

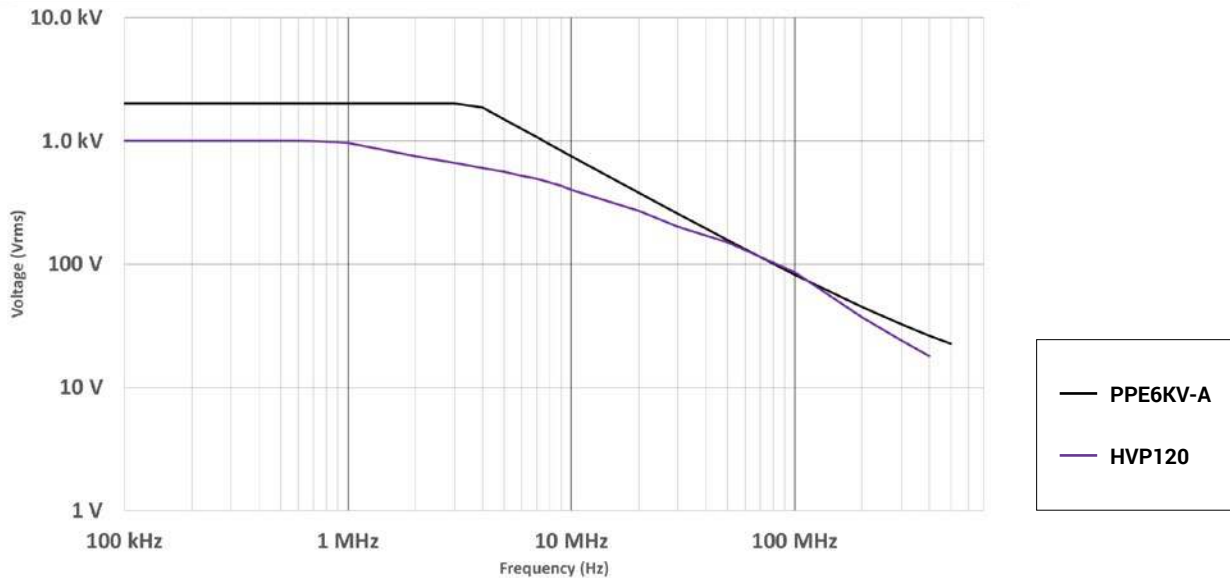
PPE6KV-A  
 HVP120  
 PK-112  
 PK-HV-002

## Standard Accessories

PPE6KV-A and HVP120 are sold with the following standard accessories. No extra purchase necessary.

	PPE6KV-A	HVP120
Trimming Tool	✓	✓
Color Coding Rings	✓	✓
Ground Lead (22 cm)	✓	✓
Security Ground Lead	✓	✓
Crocodile Clips	✓	✓
Flexible Security Adapter	✓	✓
Sprung Hook	✓	✓
BNC Adapter	✓	✓
Insulating Tip	✓	✓
Swivel Ground Lead and Lead Adapter	✓	✗
Solid and Spring Tips	✗	✓

## PPE6KV-A and HVP120 Voltage Derating



## 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](http://teledynelecroy.com)

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