

**High Voltage Passive Probes** PPE6KV-A HVP120

### **Key Features**

- 2000 Vrms 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 Vpeak transient overvoltages and are designed for probing up to 2000 Vrms and 1000 Vrms 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**

<b>Electrical Characteristics</b>	PPE6KV-A	HVP120	
Bandwidth	500 MHz	400 MHz	
Risetime (10% - 90%)	800 ps (typical)	900 ps (typical)	
Maximum Input Voltage			
Measurement Category II*	1000 Vrms 1500 Vdc	1000 Vrms	
Measurement Category I**	6 kV transient at 0 Vrms	6 kV transient at 0 Vms	
	4 kV transient at 2000 Vrms	4 kV transient at 1000 Vrms	
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**

#### **Product Code**

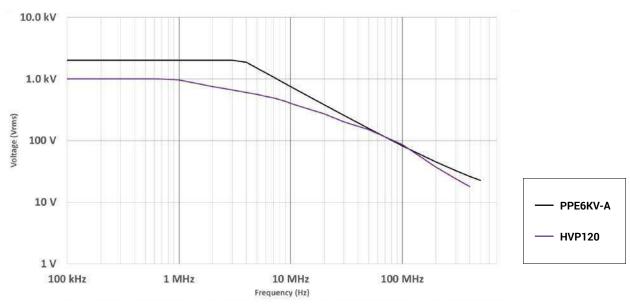
2 kV HV Probe, 6 kV overvoltage capability	PPE6KV-A
1 kV HV Probe, 6 kV overvoltage capability	HVP120
PPE6KV-A Replacement Accessories Kit	PK-112
HVP120 Replacement Accessories Kit	PK-HV-002

#### **Standard Accessories**

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

	PPE6KV-A	HVP120
Trimming Tool	$\checkmark$	$\checkmark$
Color Coding Rings	$\checkmark$	✓
Ground Lead (22 cm)	$\checkmark$	√
Security Ground Lead	$\checkmark$	√
Crocodile Clips	$\checkmark$	✓
Flexible Security Adapter	$\checkmark$	√
Sprung Hook	$\checkmark$	$\checkmark$
BNC Adapter	$\checkmark$	$\checkmark$
Insulating Tip	$\checkmark$	√
Swivel Ground Lead and Lead Adapter	$\checkmark$	×
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 Local sales offices are located throughout the world. Visit our website to find the most convenient location.

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