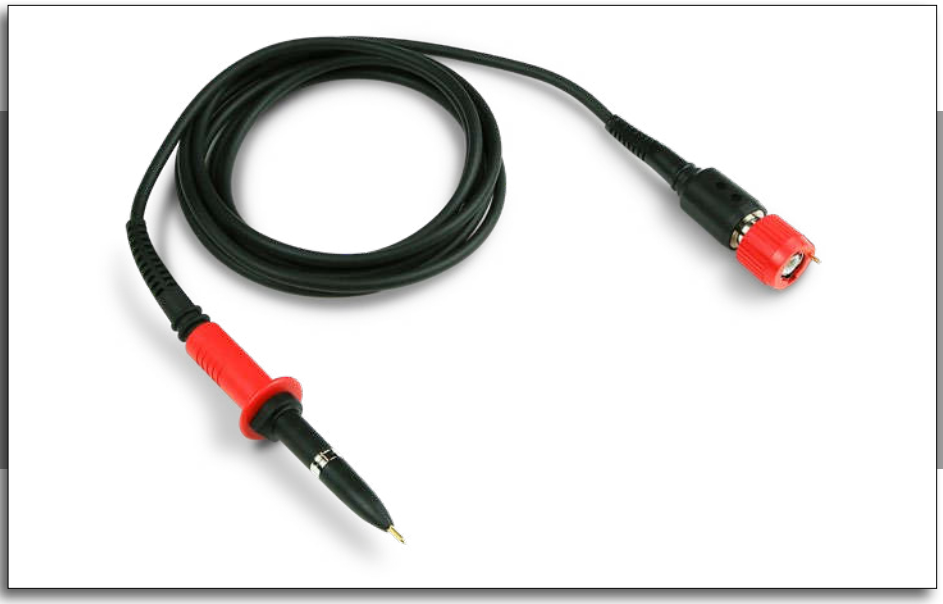
TELEDYNE LECROY
Everywhereyoulook™

High Voltage Passive Probes

PPE6KV-A
HVP120



Key Features

- **2000 V_{rms} input**
- **6000 V_{peak} 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

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_{rms} 1500 V_{dc}	1000 V_{rms}
Measurement Category I**	6 kV transient at 0 V_{rms} 4 kV transient at 2000 V_{rms}	6 kV transient at 0 V_{rms} 4 kV transient at 1000 V_{rms}
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

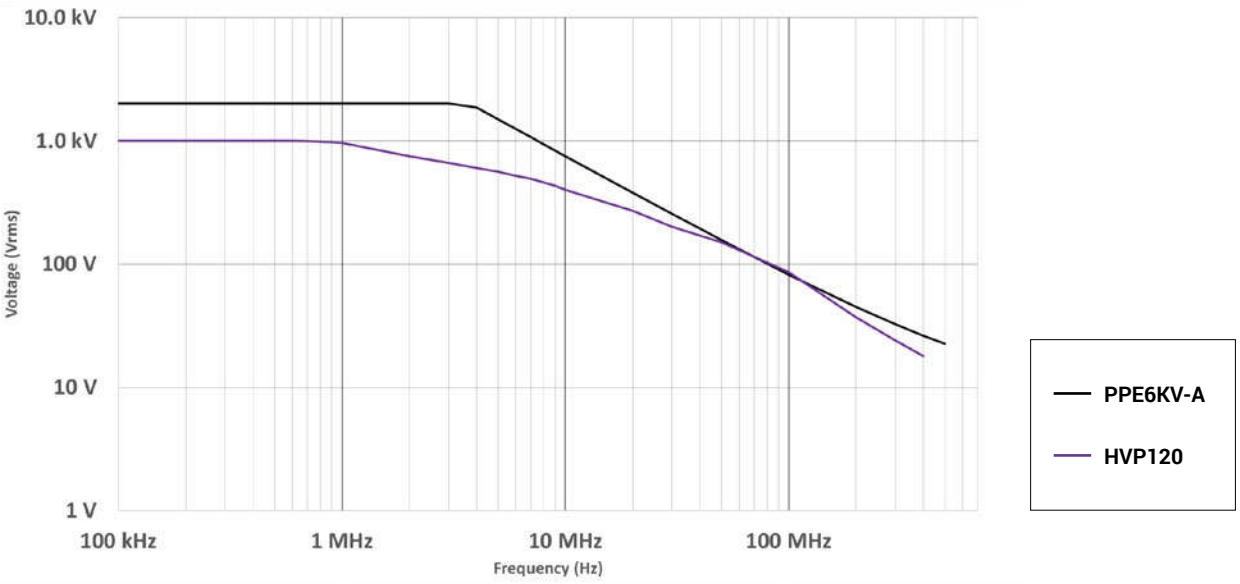
Product Description	Product Code
2 kV HV Probe, 6 kV overvoltage capability	PPE6KV-A
1 kV HV Probe, 6 kV overvoltage capability	HVP120
PPE6KV-A Replacement Accessories Kit	PK-112
HVP120 Replacement Accessories Kit	PK-HV-002

Standard Accessories

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

	PPE6KV-A	HVP120
Trimming Tool	✓	✓
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

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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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