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Data Sheet

August 12, 2026

LECROY

LeCroy PPE20KV High-Voltage Passive Probe

Teledyne LeCroy PPE20KV High-Voltage Passive Probe The LeCroy PPE20KV is a 1000:1 high-voltage passive probe for oscilloscopes with 1 M Ω inputs. Rated to 20 kV DC including peak AC, with typical system bandwidth 100 MHz. Safe HV DC/AC measurement; high-energy pulse observation within derating charts; CATI environments. The LeCroy PPE20KV is a 1000:1 high-voltage passive probe for oscilloscopes with 1 M Ω inputs. Rated to 20 kV DC including peak AC, with typical system bandwidth 100 MHz. Safe HV DC/AC measurement; high-energy pulse observation within derating charts; CATI environments.



MODEL	CALIBRATION
Lecroy PPE20KV	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
PPE20KV	https://aumictechlabs.com/products/ppe20kv-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The LeCroy PPE20KV is a high-voltage passive probe engineered for precision measurement of signals up to 20 kV DC and 14 kV AC rms. It delivers 1000:1 system attenuation with 100 M Ω input resistance and sub-3 pF input capacitance, minimizing loading effects on circuits under test. A 100 MHz bandwidth supports fast transient capture across power electronics, automotive, and research applications. Technical Specifications System Attenuation: 1000:1 Input Resistance: 100 M Ω Input Capacitance: < 3 pF Compensation Range: 10 pF to 65 pF Bandwidth (–3 dB): 100 MHz typical Maximum Voltage: 20 kV DC including peak AC; 14 kV AC rms (50/60 Hz sine); pulse peak to 40 kV with derating Overvoltage Category: CAT I Pollution Degree: 1 Cable Length: 3 meters

Operating Temperature: 0 °C to 50 °C Relative Humidity: 80% @ ≤ 31 °C, decreasing linearly to 40% @ 50 °C Altitude: Up to 2000 m Weight: 495 grams Connector: Standard BNC

Key Features

- Hybrid circuitry reduces ringing and overshoot for accurate signal reproduction
- High input impedance minimizes circuit loading during high-voltage measurements
- Broad voltage rating accommodates DC, AC sine, and pulse measurements with appropriate derating
- Comprehensive accessory set includes trimming tool, multiple tip configurations, ground leads, and security adapter
- Auto-scaling on compatible LeCroy 9300C and LC series oscilloscopes

Typical Applications

- Power electronics testing, automotive high-voltage diagnostics, transient pulse characterization, and advanced research requiring safe, precise measurement above 1 kV.

Compatibility & Integration

- Works with LeCroy 9300C and LC series oscilloscopes with automatic attenuation correction.
- Compatible with standard oscilloscopes and measurement instruments via BNC connector.
- Indoor use with grounded oscilloscopes required.

Features & description

From manufacturer datasheet

Features

• Attenuation: 1000:1 • System bandwidth (−3 dB): 100 MHz typical • Input resistance: 100 MΩ • Input capacitance: <3 pF • Compensation range: 10 pF to 65 pF • Max voltage: 20 kV DC incl. peak AC • AC rms: 14 kV AC rms @ 50/60 Hz sinus • Pulse peak: 40 kV (see peak-pulse derating) • HF sinus: see frequency derating chart • Cable length: 3 m (OEM manual); some reseller rows list ~2 m—confirm on unit • Weight (probe + accessories): 495 g • Coupling: DC/AC into 1 MΩ • Operating temp: 0 °C to 50 °C; altitude to 2000 m; CAT I / pollution degree 1 • Adjustments: LF (1 kHz) and HF (1 MHz) compensation trimmers in BNC box

PPE20KV Characteristics / Specifications

PARAMETER	VALUE
The LeCroy PPE20KV is a 10	1 high-voltage passive probe for oscilloscopes with 1 M Ω inputs. Rated to 20 kV DC including peak AC, with typical system bandwidth 100 MHz.
Model	PPE20KV
Manufacturer	Teledyne LeCroy
Instrument Type	High-Voltage Passive Probe
Alias	PPE20KV; PPE 20 kV; LeCroy PPE20KV Electrical
Attenuation	1000:1
Bandwidth	100 MHz typ.
Rin / Cin	100 M Ω / <3 pF
Max V	20 kV DC+peak AC; 14 kVrms AC Notes Specs from LeCroy PPE20kV High Voltage Probe User's Manual. Always observe derating charts for HF and pulse use.
System bandwidth (–3 dB)	100 MHz typical
Input resistance	100 M Ω
Input capacitance	<3 pF
Compensation range	10 pF to 65 pF
Max voltage	20 kV DC incl. peak AC
AC rms	14 kV AC rms @ 50/60 Hz sinus
Pulse peak	40 kV (see peak-pulse derating)
HF sinus	see frequency derating chart
Cable length	3 m (OEM manual); some reseller rows list ~2 m—confirm on unit
Weight (probe + accessories)	495 g
Coupling	DC/AC into 1 M Ω
Operating temp	0 °C to 50 °C; altitude to 2000 m; CAT I / pollution degree 1
Adjustments	LF (1 kHz) and HF (1 MHz) compensation trimmers in BNC box

PPE20KV Specifications

PARAMETER	VALUE
Applications	Safe HV DC/AC measurement; high-energy pulse observation within derating charts; CAT I environments.
Key Features	- Attenuation: 1000:1
Technical Specifications	Model: PPE20KV
Electrical	Attenuation: 1000:1
Notes	Specs from LeCroy PPE20kV High Voltage Probe User's Manual. Always observe derating charts for HF and pulse use.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	PPE20KV
Manufacturer	Teledyne LeCroy
Instrument Type	High-Voltage Passive Probe
Alias	PPE20KV; PPE 20 kV; LeCroy PPE20KV

Electrical

Electrical

PARAMETER	VALUE
Attenuation	1000:1
Bandwidth	100 MHz typ.
Rin / Cin	100 MΩ / <3 pF
Max V	20 kV DC+peak AC; 14 kVrms AC

Notes

Specs from LeCroy PPE20kV High Voltage Probe User’s Manual. Always observe derating charts for HF and pulse use.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.