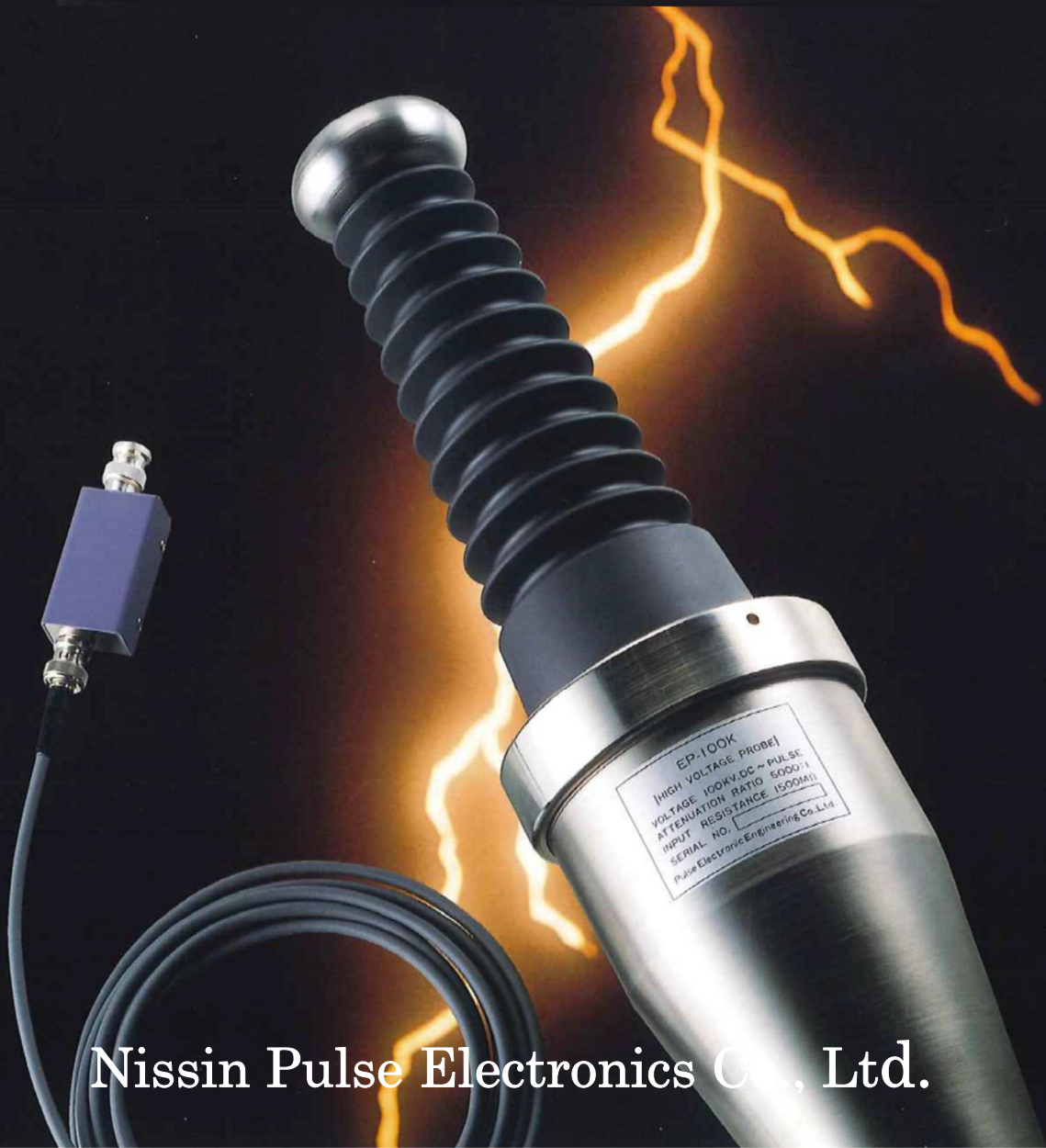


**NISSIN
ELECTRIC**

HIGH PERFORMANCE HIGH VOLTAGE PROBE

Nissin Pulse Electronics's High Voltage Probes cover Voltage measurements in a wide range of from high DC, AC and pulse voltages and ripples to high-voltage transient phenomena with reliable performance



Nissin Pulse Electronics Co., Ltd.

Features

- Various waveforms(DC, AC, pulse) can be measured.
- Allows direct measurements of up to 100kV DC and 120kV,p Impulse.
- Most compact and lightweight design convenient to carry.
(The insulation method in the unit is SF6 gas.)
- A wide variety of applications by virtue of capability of measurements in an insulation gas or oil.
- A storage case is included for easy carrying.
- Calibration certificate and traceability chart can be issued.

Specifications

Model		EP-50K	EP-100K	EP-150KP
Max input Voltage	DC	50kV	100kV	
	AC	50kV p-p (18kV RMS)	100kV p-p (35kV RMS)	
	Impulse	70kV peak	120kV peak	145kV peak
Ratio of voltage division		2000:1 ± 3%	5000:1 ± 3%	
Input resistance		500MΩ	1500MΩ	
Input capacity		About 10pF		
Rise time		50ns※	250ns※	
Frequency band (-3dB or less)		DC~10MHz※		DC~1MHz※
Connectable equipment		Input impedance: 1MΩ ± 2%, Input capacity: 12pF~20pF		
Internal insulation method		SF6 Gas (10g)	SF6 Gas (14g)	
Dimension	Height	370mm	450mm	
	Diameter	60mm	110mm	
Mass		About 2kg	About 3kg	
Accessory cable length		5m		10m
Accessories		Compensation box		
		Leathered case		
		Not include	Special stand	
Options		• Gas pressure gauge • Gas sealed metal fitting • Special stand (For EP-50K)		

※With increase of the frequency of AC voltage the permissible maximum input voltage lowers.
 ※The maximum input voltage of impulses is that of a single impulse of 1.2/50 μs.
 ※With increase of the length of the cable to be used, the rise time and frequency bandwidth in measurements decrease.

Cable length	Risetime	Frequency band	Note
3m	10ns	DC~50MHz	For EP-50K
5m	50ns	DC~10MHz	EP-50K, EP-100K
10m	250ns	DC~1MHz	EP-150KP

Dimensions

EP-100K, EP-150KP (3kg)

EP-50K (2kg)

Unit (mm)

Accessories

- Leathered case
- Compensation box
- Special stand (*Not included in EP-50K)
- Accessory cable

Options

- Gas pressure gauge
- Gas sealed metal fitting

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