ΗΙΟΚΙ

NON-CONTACT AC VOLTAGE PROBE SP3000

Capture Voltage Signals from Outside the Wire Cover

001000

The world's first non-contact probe transforms the conventional approach to electric equipment maintenance.

CE Measure signals from electric equipment on vehicles, capture LIN and other communications signals, carry out benchmark testing, etc.

Do you have trouble capturing signals from electric equipment and communication lines because of these issues?

 The miniaturization of devices and use of waterproof connectors makes it impossible to establish contact with metal terminals

 Connectors can't be removed because it will reduce the ability to reproduce the phenomena

- Need to avoid tearing the wire insulation so as to prevent risk of damage to the sensor due to static electricity



Visualize signals from electric equipment simply by applying the probe to the wire's insulation



Measurement principle



Specifications (Accuracy guaranteed for 1 year)

AC VOLTAGE PROBE SP9001

Measurable wire type	Insulated wire
Outside diameter of measurable wires	1.0 mm to 2.5 mm (0.039 in to 0.098 in)
Measurement method	Capacitive-coupled current cancelation (not suitable for use with bare conductors)
Probe service life	10,000 open / close cycles
Maximum input voltage	RMS : 30 Vrms or less Peak : 42.4 Vpeak or less
Dimensions and mass	15.0 mm (0.59 in) (W) × 13.9 mm (0.55 in) (H) × 77.4 mm (3.05 in) (D) mm, 52 g (1.83 oz) (including cable)
Cable length	1.0 m (3.28 ft)
Operating temperature and humidity range	Temperature: -10°C to 50°C (probe tip, -10°C to 80°C) Humidity: 80% RH from -10°C to 40°C (non-condensing) 60% RH from 40°C to 80°C (non-condensing)
Storage temperature and humidity range	-20°C to 60°C, 80% RH (non-condensing)
Standard compliance	Safety: EN 61010

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Probe signal input terminal	BNC
Ground input terminal	Banana input
Output terminal	Insulated BNC
Rated measurement voltage	5 V rms (14.14 Vp-p)
Maximum input voltage	RMS: 30 Vrms or less Peak: 42.4 Vpeak or less

Rising time	4.5 µs or less
Frequency band	10 Hz to 100 kHz (-3 dB)
Voltage measurement precision	±2.5% rdg. ±1% f.s. (0.5 Vrms to 5 Vrms)
Effects of wire under measurement	±5% rdg.
Temperature coefficient	Add 0.1% rdg. per °C within operating temperature range (at temperatures other than 23°C \pm 5°C)
Output noise	100 mV rms (reference value)
Dimensions and mass	120 mm (4.72 in) (W) \times 25 mm (0.98 in) (H) \times 55 mm (2.16 in) (D), 160 g (5.64 oz) (including cable)
Cable length	1.5 m (4.92 ft)
Operating temperature and humidity range	Temperature: -10°C to 50°C Humidity: 80% RH from -10°C to 40°C (non-condensing) 60% RH from 40°C to 50°C (non-condensing)
Storage temperature and humidity range	-20°C to 60°C, 80% RH (non-condensing)
Standard compliance	Safety: EN 61010 EMC: EN 61326
USB bus power	USB mini receptacle: 5 V ±0.25 V DC
Power supply AC Adapter Z1013	5 V DC, 2.6 A Rated supply voltage: 100 V to 240 V AC (50 Hz/60 Hz) Anticipated transient overvoltage: 2500 V
Maximum rated power	When operating on USB bus power: 1.5 VA When using AC Adapter Z1013: 7.5 VA (including AC adapter)

NON-CONTACT AC VOLTAGE PROBE (package)

Model No. (Order Code) : SP3000-01

Magnetic Adapter

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9804-02

Output rate

1 V/V



AC Adapter

Z1013

AC Voltage Probe

DISTRIBUTED BY

SP9001

Options





Non-contact AC Voltage Probe SP3000

Accessories Alligator clip, ground connection cable (1.5 m) (4.92 ft), USB cable (1.5 m)(4.92 ft), user manual



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regional contact information

Carrying Case

C1011