

TECHNICAL DATA

Fluke U1500s High Voltage Differential Probe



Key features

- Maximum voltage 1,000V ac rms continuous, 1,500V dc
- 4mm input terminals (primary)
- BNC output terminal (secondary)
- Includes BNC to 4mm banana plug on 1.6m lead
- 4 x AA alkaline cells, IEC LR6

Product overview: Fluke U1500s High Voltage Differential Probe

The Fluke U1500S 1,500V DC Voltage Sensor allows you to safely connect to DC bus bars at up to 1.5kV, connects to the instrument voltage input. The voltage can be scaled in the instrument to provide results in real units.

Specifications: Fluke U1500s High Voltage Differential Probe

General Specifications	
Modules	U1500s
Maximum Voltage	1000 V ac rms, continuous, 1500 V dc (Single-range)
Dimensions	138 mm x 75 mm x 45 mm

Weight	295 g, battery included
Input terminal	4 mm banana jacks
Output terminal	BNC (female)
Accessory Cable	BNC to Banana, 1.6 m
Ingress Protection	IEC 60529: IP40 (Terminals Mated)
Battery Type	4 AA, IEC LR6
Battery Life	168 hours (typical)
Indicator	Low battery flashes red Working flashes green
Operating Temperature	-10 °C to 50 °C
Storage Temperature	-30 °C to 60 °C
Operating Humidity	Non-condensing (<10 °C) ≤ 90 % RH (at 10 °C to 30 °C) ≤ 75 % RH (at 30 °C to 40 °C) ≤ 45 % RH (at 40 °C to 50 °C)
Operating Altitude	2000 m
Storage Altitude	12 000 m
Safety General	IEC 61010-1: Pollution Degree 2
Safety Measurement	IEC 61010-2-030: CAT III 1000 V, CAT IV 600 V, DC 1500 V
Electrical Specifications	
Measurement Range	1000 V ac rms, 1500 V dc
Accuracy	0.1 % of reading +0.1 % of Range
Bandwidth	100 kHz (Max)
Input Impedance	2M Ω/ <10pF
Scale	4 mV/V
Common Mode Rejection Ratio	60 dB at 50 Hz
Temperature Coefficients	0.05 % / °C (<18 °C or >28 °C)
Over-range Protection	10 % over range

Ordering information



U1500S/APC

Fluke U1500s High Voltage Differential Probe

Part#: 5132942

UPC#: 095969920490

Includes:

- Fluke U1500s High Voltage Differential Probe

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