



# High Voltage Differential Probe MDP Series

## User Guide

### 1. Overview

Originated from Micsig's cutting-edge SigOFIT™ technology, the MDP series high-voltage differential probe has very low noise floor, excellent amplitude-frequency characteristics and industry-leading common mode rejection capability, allow users to test high-frequency and high-voltage signals with ease.

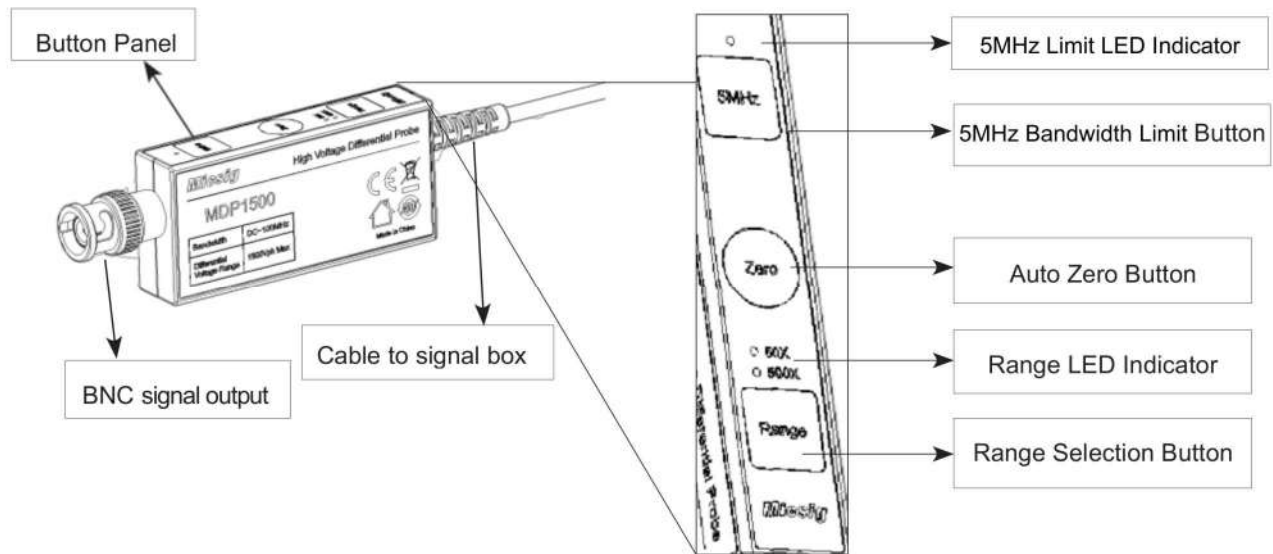


## 2. Characteristics

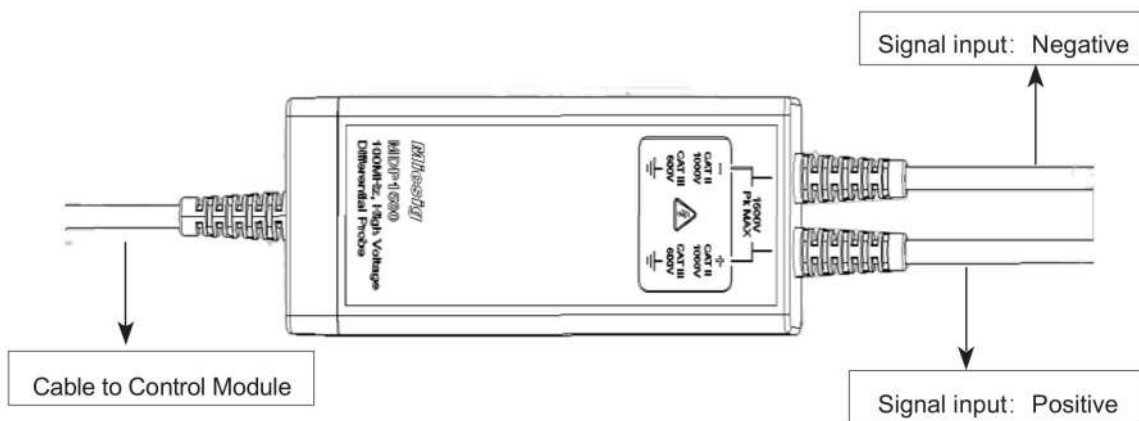
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### 3. Panel Description

- Control Module



- Signal Box



### 4. Precautions

- 1) Calibrate the probe before use:  
Short-circuit the input ends, power on, press "Zero" button, 5MHz LED light flashes, after hearing a "Di" sound, means calibration succeeded; if hearing "Di Di Di" sound, means calibration failed, needs to be calibrated again;
- 2) Recommend to use on  $\geq 100\text{MHz}$  bandwidth oscilloscope, and input impedance  $\geq 1\text{M}\Omega$ .
- 3) Recommend to use after 10 mins warm-up to get more accurate result.
- 4) When Range LED indicator flashes and beeps rapidly, indicating Over-voltage warning, please switch to higher range.

## 5. Operation Steps

- 1) **Power the probe:** Use standard USB-C cable to connect the differential probe to USB port of the oscilloscope;
- 2) **Connect to oscilloscope:** Connect the BNC end of the probe to oscilloscope channel (make sure the oscilloscope is grounded);
- 3) **Select Range:** Select appropriate voltage range according to the measured signal;
- 4) **Connect the DUT:** Use test clips or hooks to connect the DUT, if an overvoltage alarm occurs, disconnect the power supply and the circuit immediately;
- 5) **Set on the oscilloscope.**

## 6. Warranty

- 1) Micsig warrants the main body of this differential probe for 1 year.  
During the warranty period, Micsig will be responsible for free maintenance for any failure caused by the quality of the product under normal use.
- 2) Under the following circumstances, Micsig will refuse to provide maintenance services or charge for a fee:
  - a. No packaging or anti-counterfeiting label.
  - b. Anti-counterfeit label has been altered or blurred beyond recognition.
  - c. Unauthorized disassembly, such as: changing wires, dismantling internal components, etc.
  - d. No sales voucher or the content of sales voucher does not match the product.

## 7. Safety Precautions

- 1) Non-professionals do not open the product casing;
- 2) Do not use while case is open;
- 3) Do not touch any bare metal while testing;
- 4) Disconnect the power supply and circuit immediately when over range;
- 5) Do not use in flammable and explosive environments;

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