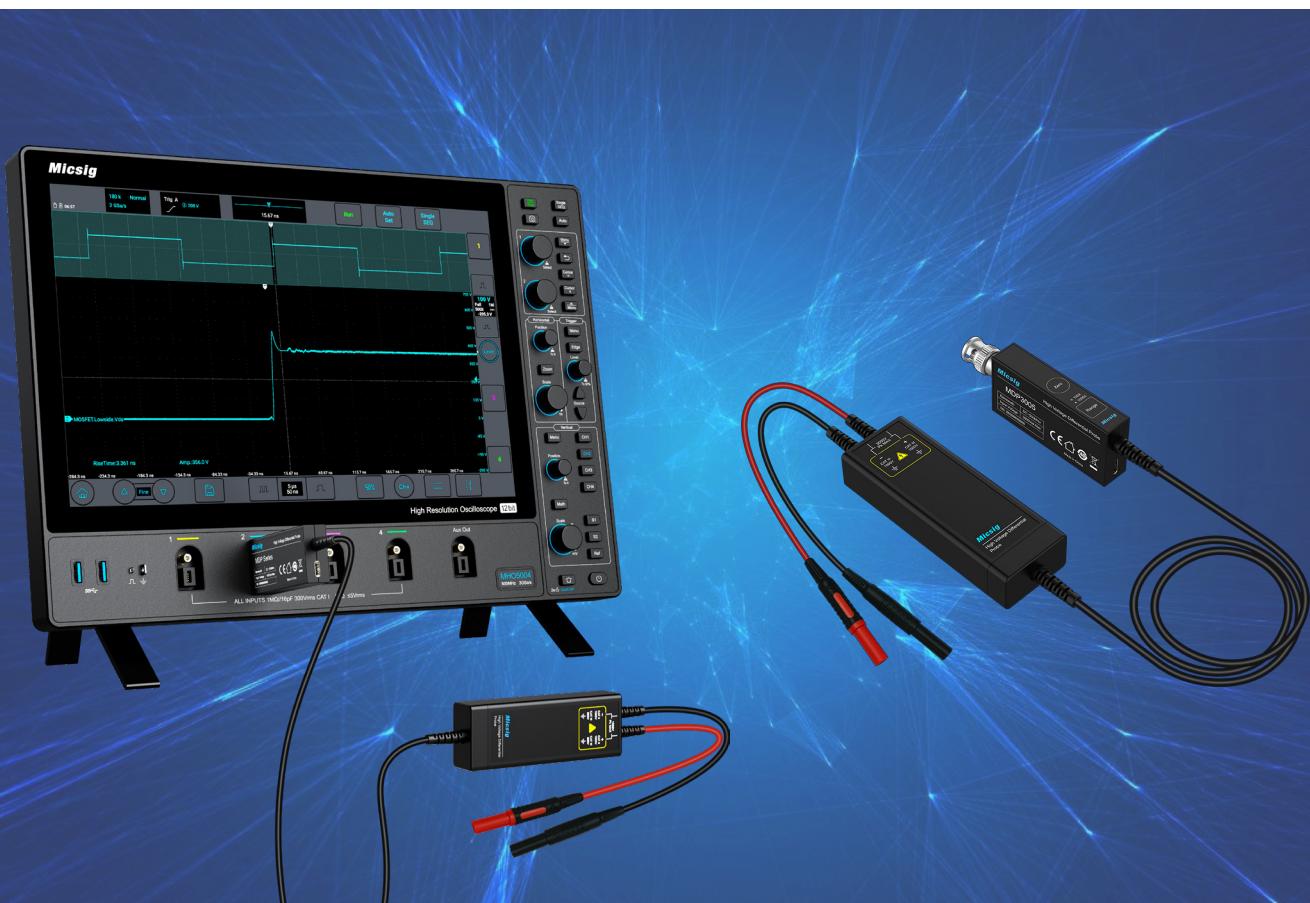


# High Voltage Differential Probe

## MDP Series

- ▶ Bandwidth: 100MHz-500MHz
- ▶ Most compact design
- ▶ Low noise, high CMRR
- ▶ Range: 700Vpk-3000Vpk
- ▶ Support quick Zero setting
- ▶ Standard BNC interface

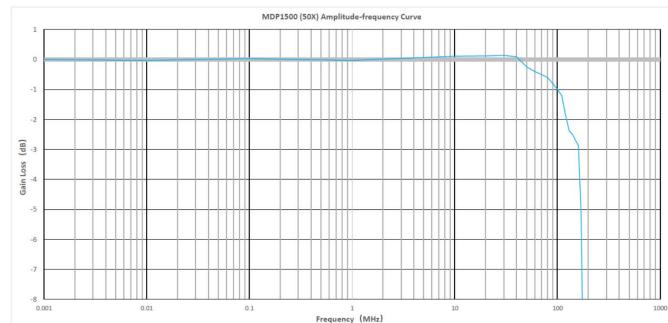


## Product Features



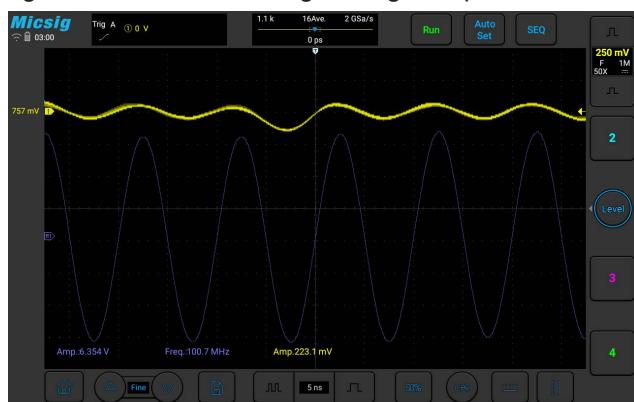
### Excellent amplitude frequency characteristics

The amplitude fluctuation within half bandwidth is less than 0.5dB, achieves excellent bandwidth flatness, maintains high accuracy in high frequency bands.

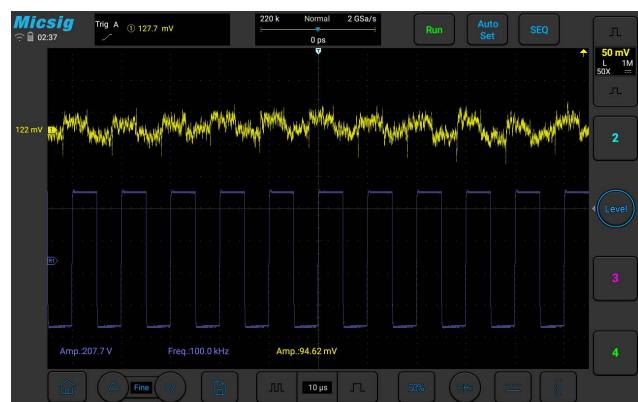


### High Accuracy, High CMRR

MDP series has high input impedance and low input capacitance, minimized load effect, greatly improved the accuracy of the differential signal. High common mode rejection capability, able to meet floating measurements of high common mode voltage at high frequencies.



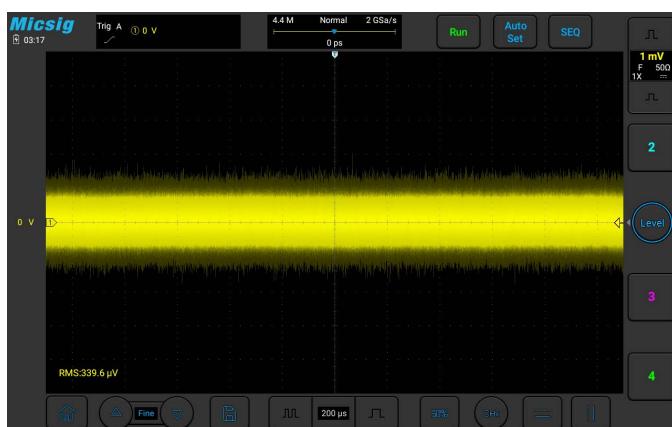
CH1: @ 100MHz, 6.354V, output common mode signal amplitude 223.1mV, CMRR is -29dB



CH1: @ 100KHz, 207.7V, output common mode signal amplitude 94.62mV, CMRR > -70dB

### Low Noise

The extremely low noise floor enhances the sensitivity of measurement and can accurately measure small signal changes.



MDP1503, @ 500X, full bandwidth (300MHz) , noise floor: 339.6 $\mu$ Vrms

### 5MHz Bandwidth Limit

(\* Available on 100-200MHz bandwidth only)

When measuring FET switching frequency in most switching power supplies, MDP effectively eliminates high-frequency noise.

### BNC Interface

Standard BNC interface, work with any oscilloscope.

### USB Power Supply

Powered directly by type-C cable, easy and convenient.



Parameters	
Accuracy	±2%
Output voltage	≤ 3V
Power	2W
Power supply	USB Type-C
Overload indication	LED flash, buzzer
Size	control module: L: 91mm W: 33mm H: 15mm Signal box: L: 100mm W: 36mm H: 20mm
Input cable length	8cm
Output cable length	120cm
Temperature	Working: 0°C ~ 40 °C Non-working: -30 °C ~ 70 °C
Humidity	Working: 5 ~ 85% RH ( 0°C ~ 40 °C ) Non-working: 5% ~ 85% RH ( ≤ 40 °C ) ; 5% ~ 45% RH ( 40 °C ~ 70 °C )

## Applications

- Floating measurements
- Motor drive design
- Inverter, UPS
- Electronic ballast design
- High voltage isolation measurements
- Welding, electroplating power supply
- Switching power supply design
- Induction heating, induction cooker
- Third generation semiconductor test
- Power conversion and related design
- Frequency conversion home appliances
- CRT display design

EN ISO 9001:2015 Certified | CE Certified | RoHS Compliant | CCC Certified | GS Certified | UL Certified

**Micsig**

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