

SIGLENT Launches DPB6150 & SDP6150 Series High-Voltage Differential Probes

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SIGLENT launched two new high-voltage differential probes: [DPB6150 Series](#) and [SDP6150 Series](#), further enhancing its product portfolio in the power electronics testing domain. Specifically engineered to tackle the challenges of precise power measurements in high-noise environments, these probes leverage exceptional dynamic range and superior common-mode noise rejection capabilities to significantly improve the accuracy and reliability of signal measurements in high-voltage, high-noise conditions. They will become indispensable tools for engineers during the development and testing of switching power supplies, frequency converters, new energy systems, and various power electronic devices.



The DPB6150 and SDP6150 Series high-voltage differential probes feature a maximum bandwidth of 400 MHz and can measure voltages up to 1500 V. With excellent common-mode noise rejection, high input impedance, and low input capacitance, they enable precise measurement of differential voltage signals and floating signals. Equipped with one-touch zero calibration and audible-visual overload alarms, these probes ensure operational safety and convenience, making them widely applicable to R&D and maintenance of switching power supplies, electronic ballasts, variable-frequency appliances, and other electrical power devices.

DPB6150 & SDP6150 Electric Specifications

| Model | DPB6150A | | DPB6150D | | SDP6150A | | SDP6150D | |
|----------------------------------|------------------------------|---------|------------|---------|------------------------------|---------|------------|---------|
| Bandwidth | 100 MHz | | 400 MHz | | 100 MHz | | 400 MHz | |
| Rise time | ≤3.5 ns | | ≤1 ns | | ≤3.5 ns | | ≤1 ns | |
| DC accuracy | ±2% | | ±2% | | ±2% | | ±2% | |
| Attenuation rate | 50X/500X | | 100X/1000X | | 50X/500X | | 100X/1000X | |
| Differential test voltage (Max.) | 50X | ±150 V | 100X | ±150 V | 50X | ±150 V | 100X | ±150 V |
| | 500X | ±1500 V | 1000X | ±1500 V | 500X | ±1500 V | 1000X | ±1500 V |
| Input voltage to earth (Max.) | 1000 V CAT II, 600 V CAT III | | | | 1000 V CAT II, 600 V CAT III | | | |
| | DC | 80 dB | | 80 dB | | | | |
| CMRR | 100 kHz | 60 dB | | 60 dB | | | | |
| | 1 MHz | 40 dB | | 40 dB | | | | |

Interface

BNC

SAPBus



DPB6150 Series



SPB6150 Series



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