

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	50X	±150 V	100X	±150 V	50X	±150 V	100X	±150 V
(Max.)	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			
CMRR	DC	80 dB		80 dB				
	100 kHz	60 dB		60 dB				
	1 MHz	40 dB		40 dB				

Interface

BNC

SAPBus



DPB6150 Series



SPB6150 Series



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