SIGLENT Launches DPB6150 & SDP6150 Series High-Voltage Differential Probes

April 17, 2026

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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