

TEKTRONIX

P7260

The Tektronix P7260 is a high-performance 6.0 GHz active single-ended probe designed for use with TekConnect-enabled oscilloscopes. Featuring dual selectable attenuation ratios of 5X and 25X, it provides high bandwidth, low loading, and wide dynamic range for sub-nanosecond circuitry characterization.

SPECIFICATIONS

General

Interfaces	TekConnect
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Physical

Power Supply	Powered directly by TekConnect host instrument
Operating Temperature	0 to 40 °C
Weight	0.0813 kg
Probe Head Dimensions	61 mm × 7.6 mm × 5.1 mm

Electrical Performance Specifications

Bandwidth	6.0 GHz (guaranteed)
Rise Time (10% to 90%)	< 75 ps (typical)
Rise Time (20% to 80%)	< 55 ps (typical)
Attenuation Ratio	5X and 25X (user selectable)
DC Input Resistance (5X)	20 kΩ
DC Input Resistance (25X)	100 kΩ
Input Capacitance	< 0.5 pF
Linear Dynamic Range (5X)	2 Vp-p
Linear Dynamic Range (25X)	10 Vp-p
DC Offset Range	±5 V
Maximum Non-Destructive Input Voltage	±15 V (DC + peak AC)

Host Interface & Connectivity

Output Interface Type	TekConnect
Cable Length	1.3 m

Environmental Specifications

Operating Temperature Range	0 °C to +40 °C
Non-Operating Temperature Range	-55 °C to +75 °C
Operating Humidity Range	0% to 90% RH (at up to +30 °C); 0% to 75% RH (+30 °C to +40 °C)
Operating Altitude	Up to 3,000 m (10,000 feet)
Non-Operating Altitude	Up to 15,240 m (50,000 feet)

Performance

System Noise (5X Attenuation)	< 6 mV RMS
System Noise (25X Attenuation)	< 30 mV RMS
DC Gain Accuracy	±3%
Propagation Delay	5.3 ns

Input Characteristics

Input Coupling	DC
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Compliance

Safety Standards	UL61010B-1, CAN/CSA-C22.2 No. 1010.1-92, EN61010-1/A2
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TECHNOLOGY

Active Single-Ended Probe

APPLICATIONS

High-speed digital system design, characterization, and debugging

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