

# Active Probe

▶ P7260



## P7260 Single-ended Active Probe

The P7260 is the fastest active probe in the world. It provides high-bandwidth, low circuit loading, low noise and accurate probing solutions for high-speed circuit designers. This probe has a small probe head for accessing connection points in tight physical constraints and with today's fine pitch circuitry.

The P7260 is the world's first probe to be developed with silicon germanium (SiGe). It features a toggle/switch that offers the choice of using the probe at either 1.5 V<sub>p-p</sub> or 6 V<sub>p-p</sub> dynamic range.

TekConnect® interface takes probe intelligence to the next level, providing probe power, automated signaling of scale factor and offset voltage. It also adds automatic bandwidth adjustment and voltage measurement. The TekConnect interface extends useful bandwidth and signal fidelity out to 18 GHz. A full complement of versatile probe tip accessories helps connect to the wide range of devices faced by digital designers.

## ▶ Features & Benefits

- 6 GHz Bandwidth
- Switchable Attenuation  
Provides up to 6 V<sub>p-p</sub>  
Dynamic Range
- Low Input Capacitance  
<0.5 pF
- Provides 6 GHz System Bandwidth at Probe Tip with TDS6604 TekConnect® Oscilloscope
- Connect and Adapt to Various Circuit Designs with Small Probe Head and Numerous Connection Accessories
- TekConnect Interface

## ▶ Applications

- High-speed Digital Systems Design
- Component Design/Characterization
- Manufacturing Engineering and Test

## ▶ Characteristics

Designed for use with the TDS6604 oscilloscope – the system bandwidth is typically 6 GHz.

Attribute	Specification 5x	Specification 25x
Type	TekConnect® Active, Single-ended	
Bandwidth (probe only, typical)	6 GHz	6 GHz
Rise Time (guaranteed)	<75 ps	<85 ps
Input Capacitance (pF)	<0.5 pF	<0.5 pF
Attenuation	5x	25x
Dynamic Range	±0.75 V (1.5 V <sub>p-p</sub> )	±3.0 V (6.0 V <sub>p-p</sub> )
DC Offset Range	±5 V	±5 V
Input Resistance	20 kΩ at DC	20 kΩ at DC
Maximum Nondestruct Voltage	30 V (DC plus peak AC)	
Compatible Oscilloscopes*1	TDS6604, TDS7404, all TekConnect oscilloscopes	

\*1 Requires firmware version 2.1 or higher for TDS/CSA7000 Series.

COMPUTING

COMMUNICATIONS

VIDEO

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## ▶ Ordering Information

### P7260

6.0 GHz Active Probe, TekConnect® interface.

**Includes:** Probe tip accessories (see list), user manual, storage case.

**Warranty:** One year.

### Service

**Opt. C3** – Calibration Service 3 Years.

**Opt. C5** – Calibration Service 5 Years.

**Opt. D1** – Calibration Data Report.

**Opt. D3** – Calibration Data Report 3 Years (with Option C3).

**Opt. D5** – Calibration Data Report 5 Years (with Option C5).

**Opt. R3** – Repair Service 3 Years.

**Opt. R5** – Repair Service 5 Years.

### Related Products

**80A03** – TekConnect Probe Interface Module for TDS/CSA8000 series oscilloscopes.

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## ▶ P7260 Included Accessories

Description	Quantity	Part Number/Status
Instruction Manual	1 each	071-0922-xx
Probe Carry Case	1 each	016-1879-xx
Y Lead Adapter	2 each	196-3434-xx
3" Ground Lead	2 each	196-3437-10
SMT KlipChip™ Adapter	2 each	206-0364-xx
SureToe™	1 set	ST501 (Replacement Pkg of 12)
Accessory Reorder Sheet	1 each	001-1349
Short Ground Pogo Pin (set of 8)	1 set	016-1917-xx
Square Pin Adapter (set of 4) (adapt to .100" centered square pins)	1 set	016-1910-xx
Color Coding Bands, 5 Colors	1 set	016-1886-xx
"L" Adapter (set of 2)	1 set	016-1913-xx
Anti-static Wrist Strap	1 each	006-3415-xx
Customizable Grounded Lead (set of 5)	1 set	196-3482-xx

## ▶ Recommended Accessories

Description	Quantity	Part Number/Status
TekConnect® Calibration Adapter/Fixture/SW	1 each	067-0422-xx
Probe Arm	1 each	PPM100
High-speed Deskew Fixture	1 each	067-0484-xx
Probe Calibration Fixture	1 each	067-1456-xx
IC Grabber (set of 2)	1 set	013-0309-xx

Our most up-to-date product information is available at:  
[www.tektronix.com](http://www.tektronix.com)

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