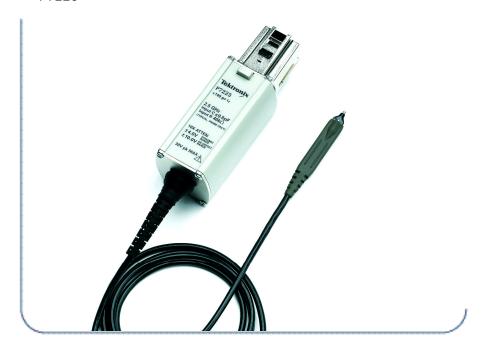
Active Probe

▶ P7225



Selecting the right probe for your application is key to attaining the best signal fidelity in your measurements. Active probes provide truer signal reproduction and fidelity for high frequency measurements. With our ultra-low input capacitance and high input resistance provided by the P7225, you are able to make measurements with minimal signal distortion. This probe offers a wide 8 V_{p-p} dynamic range to access today's voltage levels.

Characteristics

Physical Characteristics

Rise Time - <140 ps.

Bandwidth - 2.5GHz.

Attenuation - 10X.

DC Resistance - 40 k .

Input Capacitance – \leq 0.8 pF.

Dynamic Range - ±4 V.

Offset Range – ± 10 V.

Interface - TekConnect.[™]

Features & Benefits

<140 ps Rise Time (guaranteed)

2.5 GHz Bandwidth

< 0.8 pF Input Capacitance</p>

8 V_{p-p} Dynamic Range

40 k Input Resistance

TekConnect[™] Interface

Supports TDS7154/7254 Active Probe Needs By Providing a TekConnect 2.5 GHz, 8 V_{p-P} Dynamic Range Cost Effective Probing Solution for Mid-band Real-time Oscilloscopes

10X Attenuation

Applications

Verification, Debug and Characterization of High-speed Designs

Design, Development and Compliance Testing

Signal Integrity, Jitter and Timing Analysis

Manufacturing Engineering and Test

Signals with Voltage Swings up to 8 V_{p-p}



Ordering Information

P7225 Included Accessories Product Name/Description Part Number Quantity Ground Lead Kit - 3in.and Y Lead Adapter 196-3456-00 1 Each SMK4 - ICGrabber (set of 2) 013-0309-00 1 SMT KlipChip[™] Adapter 1 206-0364-00 1 5 Colors, Color Coding Clips 016-1315-00 Pogo Pin Ground (set of 10) 016-1772-00 1 Square Pin Sockets (set of 10) 016-1773-00 1 50mil SureFoot® Adapter (set of 12) SF501 1 25mil SureFoot Adapter (set of 12) SF502 1 0.5mm SureFoot Adapter (set of 12) SF503 1 Customizable Ground Lead (setof 5) 1 196-3482-00 Probe Tips (setof 10) 131-5638-30 1 SureToe[™] Adapter (set of 12) ST501 1 Instruction Manual 071-1186-00 1 **Probe Carrying Case** 016-1879-01 1 1 **Accessory Case** 006-7164-00 1 Wrist Strap 006-3415-04

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USA (Export Sales) 1 (503) 627-1916

For other areas contact Tektronix,Inc. at: 1 (503) 627-7111

Updated 20 September 2002

Service Options

Certificate of Traceability

Opt. C3 – Three years of Calibration Service.

Opt. C5 - Five years of Calibration Service.

Opt. D1 - Test data shipped with probe.

Opt. D3 - Test data (requires Opt. C3).

Opt. D5 - Test data (requires Opt. C5).

Opt. R3 - Repair warranty extended for a total of three years.

Opt. R5 - Repair warranty extended for a total of five years.

Our most up-to-date product information is available at: www.tektronix.com





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09/02 HB/XBS 60W-16054-1



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