

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 – $\lt; 140 \text{ ps}$

Bandwidth – 2.5GHz.

Attenuation – 10X.

DC Resistance – 40 k Ω .

Input Capacitance – $\leq 0.8 \text{ pF}$.

Dynamic Range – $\pm 4 \text{ V}$.

Offset Range – $\pm 10 \text{ V}$.

Interface – TekConnect™.

▶ Features & Benefits

$\lt; 140 \text{ ps}$ Rise Time (guaranteed)

2.5 GHz Bandwidth

$\leq 0.8 \text{ pF}$ Input Capacitance

8 V_{p-p} Dynamic Range

40 k Ω 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}

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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	206-0364-00	1
5 Colors,Color Coding Clips	016-1315-00	1
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)	196-3482-00	1
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
Accessory Case	006-7164-00	1
Wrist Strap	006-3415-04	1
Certificate of Traceability		

Service Options

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.

Contact Tektronix:

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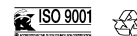
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Updated 20 September 2002

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



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09/02 HB/XBS

60W-16054-1