

# Active Probe

## P7225 Datasheet



### Features & Benefits

- <math>< 140 \text{ ps}</math> Rise Time (guaranteed)
- 2.5 GHz Bandwidth
- $\leq 0.8 \text{ pF}$  Input Capacitance
- 8  $V_{\text{pk-pk}}$  Dynamic Range
- 40  $k\Omega$  Input Resistance
- TekConnect® Interface
- Supports TDS7154/7254 Active Probe Needs by Providing a TekConnect 2.5 GHz, 8  $V_{\text{pk-pk}}$  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  $V_{\text{pk-pk}}$

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  $V_{\text{pk-pk}}$  dynamic range to access today's voltage levels.

### Performance You Can Count On

Depend on Tektronix to provide you with performance you can count on. In addition to industry-leading service and support, this product comes backed by a one-year warranty as standard.

## Characteristics

### Physical Characteristics

Rise Time – <140 ps.  
 Bandwidth – 2.5 GHz.  
 Attenuation – 10x.  
 DC Resistance – 40 kΩ.  
 Input Capacitance – ≤0.8 pF.  
 Dynamic Range – ±4 V.  
 Offset Range – ±10 V.  
 Interface – TekConnect®.

## Ordering Information

**Included Accessories – One-year warranty, plus the following:**

Product Name/Description	Part Number	Quantity
Ground lead kit – 3 in. and Y Lead Adapter	196-3456-xx	1 Each
SMT KlipChip™ Adapter	206-0364-xx	1
5 Colors, Color Coding Clips	016-1315-xx	1
Pogo Pin Ground (set of 10)	016-1772-xx	1
Square Pin Sockets (set of 10)	016-1773-xx	1
Customizable Ground Lead (set of 5)	196-3482-xx	1
Probe Tips (set of 10)	131-5638-xx	1
SureToe™ Adapter (set of 12)	ST501	1
Instruction Manual	071-1186-xx	1
Probe Carrying Case	016-1879-01	1
Accessory Case	006-7164-xx	1
Wrist Strap	006-3415-04	1
Certificate of Traceability	–	1

## 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 Opt. C3).  
 Opt. D5 – Calibration Data Report 5 Years (with Opt. C5).  
 Opt. R3 – Repair Service 3 Years.  
 Opt. R5 – Repair Service 5 Years.  
 Opt. SILV900 – Standard Warranty Extended to 5 Years.

## Recommended Accessories

SMK4, IC Grabber – Order 013-0309-xx (set of 2).



Tektronix is registered to ISO 9001 and ISO 14001 by SRI Quality System Registrar.



**Contact Tektronix:**

- ASEAN / Australasia** (65) 6356 3900
- Austria** 00800 2255 4835\*
- Balkans, Israel, South Africa and other ISE Countries** +41 52 675 3777
- Belgium** 00800 2255 4835\*
- Brazil** +55 (11) 3759 7627
- Canada** 1 800 833 9200
- Central East Europe and the Baltics** +41 52 675 3777
- Central Europe & Greece** +41 52 675 3777
- Denmark** +45 80 88 1401
- Finland** +41 52 675 3777
- France** 00800 2255 4835\*
- Germany** 00800 2255 4835\*
- Hong Kong** 400 820 5835
- India** 000 800 650 1835
- Italy** 00800 2255 4835\*
- Japan** 81 (3) 6714 3010
- Luxembourg** +41 52 675 3777
- Mexico, Central/South America & Caribbean** 52 (55) 56 04 50 90
- Middle East, Asia, and North Africa** +41 52 675 3777
- The Netherlands** 00800 2255 4835\*
- Norway** 800 16098
- People's Republic of China** 400 820 5835
- Poland** +41 52 675 3777
- Portugal** 80 08 12370
- Republic of Korea** 001 800 8255 2835
- Russia & CIS** +7 (495) 7484900
- South Africa** +41 52 675 3777
- Spain** 00800 2255 4835\*
- Sweden** 00800 2255 4835\*
- Switzerland** 00800 2255 4835\*
- Taiwan** 886 (2) 2722 9622
- United Kingdom & Ireland** 00800 2255 4835\*
- USA** 1 800 833 9200

\* European toll-free number. If not accessible, call: +41 52 675 3777

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**For Further Information.** Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit [www.tektronix.com](http://www.tektronix.com)



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