

# 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 –  $< 140 \text{ ps}$ .  
Bandwidth – 2.5GHz.  
Attenuation – 10X.  
DC Resistance – 40 k $\Omega$ .  
Input Capacitance –  $\leq 0.8 \text{ pF}$ .  
Dynamic Range –  $\pm 4 \text{ V}$ .  
Offset Range –  $\pm 10 \text{ V}$ .  
Interface – TekConnect.™

## ▶ Features & Benefits

$< 140 \text{ ps}$  Rise Time (guaranteed)  
2.5 GHz Bandwidth  
 $\leq 0.8 \text{ pF}$  Input Capacitance  
8  $V_{p-p}$  Dynamic Range  
40 k $\Omega$  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:

ASEAN / Australasia / Pakistan (65) 6356 3900

Austria +43 2236 8092 262

Belgium +32 (2) 715 89 70

Brazil & South America 55 (11) 3741-8360

Canada 1 (800) 661-5625

Central Europe & Greece +43 2236 8092 301

Denmark +45 44 850 700

Finland +358 (9) 4783 400

France & North Africa +33 (0) 1 69 86 80 34

Germany +49 (221) 94 77 400

Hong Kong (852) 2585-6688

India (91) 80-2275577

Italy +39 (02) 25086 1

Japan 81 (3) 3448-3010

Mexico,Central America & Caribbean 52 (55) 56666-333

The Netherlands +31 (0) 23 569 5555

Norway +47 22 07 07 00

People's Republic of China 86 (10) 6235 1230

Poland +48 (0) 22 521 53 40

Republic of Korea 82 (2) 528-5299

Russia,CIS& The Baltics +358 (9) 4783 400

South Africa +27 11 254 8360

Spain +34 (91) 372 6055

Sweden +46 8 477 6503/4

Taiwan 886 (2) 2722-9622

United Kingdom & Eire +44 (0) 1344 392400

USA 1 (800) 426-2200

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

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

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



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