

# 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<sub>P-P</sub> dynamic range to access today's voltage levels.

### ► Characteristics

#### Physical Characteristics

**Rise Time** – <math>< 140 \text{ ps}</math>.

**Bandwidth** – 2.5 GHz.

**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.<sup>®</sup>

### ► Features & Benefits

<math>< 140 \text{ ps}</math> Rise Time  
(Guaranteed)

2.5 GHz Bandwidth

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

8 V<sub>P-P</sub> Dynamic Range

40 k $\Omega$  Input Resistance

TekConnect.<sup>®</sup> Interface

Supports TDS7154/7254  
Active Probe Needs By  
Providing a TekConnect  
2.5 GHz, 8 V<sub>P-P</sub> 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<sub>P-P</sub>

COMPUTING

COMMUNICATIONS

VIDEO

## Active Probe

▶ P7225

### ▶ Ordering Information

#### ▶ P7225 Included Accessories

Product Name/Description	Part Number	Quantity
Ground Lead Kit – 3 in. and Y Lead Adapter	196-3456-00	1 Each
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
50 mil SureFoot™ Adapter (set of 12)	SF501	1
25 mil SureFoot Adapter (set of 12)	SF502	1
0.5 mm SureFoot Adapter (set of 12)	SF503	1
Customizable Ground Lead (set of 5)	196-3482-00	1
Probe Tips (set of 10)	131-5638-00	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

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.

#### Recommended Accessories

SMK4 – IC Grabber – Order 013-0309-00 (set of 2).

#### 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) 80-22275577

Italy +39 (02) 25086 1

Japan 81 (3) 6714-3010

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

Last Update March 01, 2004

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

Product(s) are manufactured  
in ISO registered facilities.



Copyright © 2004, Tektronix, Inc. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

04/04 HB/WWW

60W-16054-2