

# Active Probe

## P7225 Data Sheet



### Features & Benefits

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

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  $V_{pk-pk}$  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.

### 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.

