

Active Probe

P7225 Datasheet



The P7225 probe offers a wide 8 V_{P-P} dynamic range to access today's voltage levels with ultra-low input capacitance and high input resistance to take measurements with minimal signal distortion.

Notice to EU customers

This product is not updated to comply with the RoHS 2 Directive 2011/65/EU and will not be shipped to the EU. Customers may be able to purchase products from inventory that were placed on the EU market prior to July 22, 2017 until supplies are depleted. Tektronix is committed to helping you with your solution needs. Please contact your local sales representative for further assistance or to determine if alternative product(s) are available. Tektronix will continue service to the end of worldwide support life.

Features and benefits

- <140 ps rise time (guaranteed)
- 2.5 GHz bandwidth

- ≤0.8 pF input capacitance
- 8 V_{P-P} dynamic range
- 40 kΩ 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}

Product description

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.

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.

Specifications

All specifications are guaranteed unless noted otherwise. All specifications apply to all models unless noted otherwise.

Physical specifications

Rise time	<140 ps
Bandwidth	2.5 GHz
Attenuation	10x
DC resistance	40 k Ω
Input capacitance	≤ 0.8 pF
Dynamic range	± 4 V
Offset range	± 10 V
Interface	TekConnect [®]

Ordering information

Models

P7225	Active probe
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Standard accessories

One year warranty plus the following:

Standard accessories

196-3456-xx	Ground lead kit – 3 in. and Y lead adapter
206-0364-xx	SMT KlipChip™ adapter
016-1315-xx	Five colors, color coding clips
016-1772-xx	Pogo pin ground (set of 10)
016-1773-xx	Square pin sockets (set of 10)
196-3482-xx	Customizable ground lead (set of 5)
131-5638-xx	Probe tips (set of 10)
ST501	SureToe™ adapter (set of 12)
071-1186-xx	Instruction manual
016-1879-01	Probe carrying case
006-7164-xx	Accessory case
006-3415-04	Wrist strap
-	Certificate of traceability

Recommended accessories

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

Options

Service options

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 (including warranty)
Opt. R5	Repair Service 5 Years (including warranty)
Opt. SILV100	Standard warranty extended to 5 years



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

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