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Data Sheet

August 13, 2026

TEKTRONIX

Tektronix TPP1000 Passive Probe, 1 GHz, 10X, 3.9 pF, 300 V

Tektronix TPP1000 Passive Voltage Probe, 1 GHz, 10X The Tektronix TPP1000 is a 1 GHz, 10× passive voltage probe with TekVPI interface for MDO3000, MDO4000, MSO/DPO5000, and 5 Series MSO oscilloscopes. It delivers active-probe-class bandwidth with low capacitive loading (<4 pF, typically 3.9 pF rigid tip) and 300 V CAT II input rating for general-purpose high-bandwidth probing. The Tektronix TPP1000 is a 1 GHz, 10× passive voltage probe with TekVPI interface for MDO3000, MDO4000, MSO/DPO5000, and 5 Series MSO oscilloscopes. It delivers active-probe-class bandwidth with low capacitive loading (<4 pF, typically 3.9 pF rigid tip) and 300 V CAT II input rating for general-purpose high-bandwidth probing.

 Tektronix TPP1000 Passive Probe, 1 GHz, 10X, 3.9 pF, 300 V

MODEL

Tektronix TPP1000

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TPP1000

LISTING

<https://aumictechlabs.com/products/tpp1000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Tektronix TPP1000 is a 1 GHz passive voltage probe engineered for precision signal acquisition across low-power devices, manufacturing test, and research environments. Operating at a 10X attenuation ratio with input capacitance of 3.9 pF, it delivers minimal circuit loading - critical for high-speed measurements. The probe accepts maximum input voltage of 300 V CAT II and connects via the TekVPI® interface for automatic oscilloscope scaling and unit

adjustment. Technical Specifications Bandwidth: 1 GHz Attenuation Factor: 10X Input Capacitance: 3.9 pF Maximum Input Voltage: 300 V CAT II Input Impedance: 10 M Ω || 3.9 pF Cable Length: 1.3 m AC Compensation: Built-in across entire frequency range Key Features Compact probe head for small-geometry circuit elements and dense board layouts Small probe body design enhances visibility to the device under test Rigid probe tip ensures secure device connectivity Replaceable MMCX tip cartridge with included 0.1" and 0.062" square pin adapters for hands-free operation across standard headers and 0402 components Comprehensive accessory set: pogo tip, dual short and long ground springs, 6 in. alligator ground, regular and micro hook tips, universal 3.8 mm IC cap, insulator sleeve, and color band identification pairs Typical Applications Low-power device characterization Manufacturing and field service test Engineering validation and prototyping Research and development bench work Compatibility & Integration Designed for Tektronix MDO3000, MDO4000, MSO/DPO5000, and 5 Series MSO oscilloscopes. Also supports MDO/MSO/DPO4000B and MSO/DPO5000B series instruments via TekVPI® connectivity.

Features & description

From manufacturer datasheet

Features

• 1 GHz (–3 dB) bandwidth • 10× attenuation with TekVPI interface • Input capacitance <4 pF; rigid tip typically 3.9 pF • 300 Vrms CAT II maximum input • 1.3 m cable; replaceable rigid / pogo / MMCX tip options • System rise time typically <450 ps

Applications

• General-purpose high-bandwidth oscilloscope probing • Embedded digital and mixed-signal debug • Power-supply and mid-voltage circuit observation (within CAT II rating) • Automated scale/attenuation readout via TekVPI

TPP1000 Characteristics / Specifications

PARAMETER	VALUE
Model	TPP1000
Manufacturer	Tektronix
Instrument Type	Passive Voltage Probe
Interface	TekVPI
Attenuation	10×
System Attenuation Accuracy	10:1 ±2.2%
System Rise Time Typical	<450 ps
System Input Capacitance Rigid/MMCX Tip	3.9 pF ±0.3 pF
System Input Capacitance Pogo Tip	5.1 pF ±0.5 pF
Input Capacitance Spec Class	<4 pF at probe tip
System Input Resistance at DC	10 MΩ ±2%
Probe Series Resistance at DC	9.75 MΩ ±0.5%
Maximum Input Voltage	300 Vrms CAT II
MMCX Tip Voltage Limit	30 Vrms; 42 Vpk; 60 VDC; OVT <500 Vpk
Propagation Delay	~5.67 ns
Cable Length	1.3 m ±3 cm
Dynamic Range	300 V CAT II
Compatible Oscilloscope Families	MDO3000; MDO4000; MSO/DPO5000; 5 Series MSO / FlexChannel
Tip Options	Rigid; Pogo (pre-installed); MMCX accessories Notes Specs from Tektronix TPP1000 / TPP0500B / TPP0502 / TPP0250 Passive Voltage Probes datasheet and TPP1000 Instructions (071-2809-xx). Confirm host firmware supports TekVPI probe ID.
Bandwidth	with low capacitive loading (<4 pF, typically 3.9 pF rigid tip) and 300 V CAT II input rating for general-purpose high-bandwidth probing.
Rise Time	typically <450 ps

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	TPP1000
Manufacturer	Tektronix
Instrument Type	Passive Voltage Probe
Interface	TekVPI

Bandwidth -3 dB: 1 GHz

Specifications

PARAMETER	VALUE
Attenuation	10×
System Attenuation Accuracy	10:1 ±2.2%
System Rise Time Typical	<450 ps
System Input Capacitance Rigid/MMCX Tip	3.9 pF ±0.3 pF
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Input Capacitance Spec Class	<4 pF at probe tip
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Maximum Input Voltage	300 V _{rms} CAT II
MMCX Tip Voltage Limit	30 V _{rms} ; 42 V _{pk} ; 60 VDC; OVT <500 V _{pk}
Propagation Delay	~5.67 ns
Cable Length	1.3 m ±3 cm
Dynamic Range	300 V CAT II
Compatible Oscilloscope Families	MD03000; MD04000; MS0/DP05000; 5 Series MS0 / FlexChannel
Tip Options	Rigid; Pogo (pre-installed); MMCX accessories

Notes
Specs from Tektronix TPP1000 / TPP0500B / TPP0502 / TPP0250 Passive Voltage Probes datasheet and TPP1000 Instructions (071-2809-xx). Confirm host firmware supports TekVPI probe ID.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.