

Passive 10X Voltage Probe

TPP0100, TPP0101 Datasheet



The TPP0100 and TPP0101 probes are 100 MHz, 10X passive voltage probes with 10 M Ω input resistance.

Key features

- 10X Attenuation
- 100 MHz Bandwidth
- 1.3 m Length
- UL61010-031; 2007, CAN/CSA C22.2 No. 61010-031-07, IEC61010-031; IEC 61010-031/A1:2008
- Applications:
 - Relative low-frequency measurements
 - Low-frequency computer and telecom measurements
 - Power supplies
 - Low-frequency amplifiers

TPP0100, TPP0101 Passive Voltage probes

The TPP0100 and TPP0101 probes are for use on BNC oscilloscopes with 1 M Ω /13 pF (TPP0100) and 1 M Ω /20 pF (TPP0101) inputs.

For a complete list of compatible oscilloscopes, refer to the Tektronix Oscilloscope Probe & Accessory Selector Tool at <http://www.tek.com/probes>.

Specifications

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

Electrical characteristics

Bandwidth	DC to 100 MHz
Rise time	<3.5 ns (typical)
Compensation range	
TPP0100	8 pF to 18 pF
TPP0101	15 pF to 25 pF
Input resistance	10 M Ω \pm 1.5%
Input capacitance	<12 pF (typical)
Propagation delay	~6.1 ns
Maximum input voltage	300 V _{RMS} CAT II

Physical characteristics

Probe cable length	1.3 m (4.2 ft)
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EMC, environment, and safety

Temperature range	
Operating	-10 °C to +55 °C (14 °F to 131 °F)
Non-operating	-51 °C to +71 °C (-60 °F to 160 °F)
Humidity	
Operating and non-operating	5% to 95% relative humidity (%RH) up to 30 °C (86 °F), 5% to 65% RH above +30 °C (86 °F) up to +55 °C (131 °F)
Altitude	
Operating	<3 km (9,842 ft)
Non-operating	<12.2 km (40,026 ft)

Ordering information

Models

TPP0100 For use with BNC oscilloscopes with 1 M Ω , 13 pF inputs

TPP0101 For use with BNC oscilloscopes with 1 M Ω , 20 pF inputs

Probe packages

TPP0101-PK10 10-pack of TPP0101 probes

TPP0101-PK50 50-pack of TPP0101 probes

Standard accessories

003-1433-xx Adjustment tool
 013-0362-xx Retractable hook tip
 016-0633-xx Color bands, 5 pairs
 016-2028-xx Long ground spring, 2 each
 196-3521-xx 6 in. alligator ground lead

Warranty

One-year warranty covering all parts and labor.

Recommended accessories

013-0363-xx Micro hook tip
 013-0366-xx Universal IC cap
 013-0367-xx BNC-to-probe tip adapter, unterminated
 016-2016-xx PCB-to-probe tip adapter, 10-pack
 016-2034-xx Short ground spring, 2 each
 131-8831-xx Compact probe-tip chassis mount
 196-3198-xx 6 in. clip-on ground lead with 0.025 in. pin receptacle
 196-3512-xx 12 in. alligator ground
 206-0569-xx MicroCKT test tip

Tektronix is ISO 14001:2015 and ISO 9001:2015 certified by DEKRA.



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