

# N2744A T2A Probe Interface Adapter

## Product Overview

The Keysight Technologies, Inc. N2744A T2A interface adapter enables selected Tektronix TekProbe interface level II probes to be used with Keysight oscilloscopes with the AutoProbe I interface. Existing TekProbe-BNC probe types can simply be plugged into the T2A adapter, which is then plugged directly into any AutoProbe input channel on an InfiniiVision or Infiniium oscilloscope. Select the probe model in the probe menu, and the Keysight oscilloscope sets up the attenuation factor and the probe type automatically. The T2A interface adapter supplies the necessary probe power and offset control as used by the connected TekProbe probe. The adapter is targeted for customers using both Tek active probes with TekProbe-BNC level II interfaces and Keysight oscilloscopes with the AutoProbe interface.

## TekProbe Compatibility

The N2744A T2A adapter supports only the probes listed below.

Probe / Probe Type	InfiniiVision		Infiniium
	3000X/T <sup>1</sup> , 4000X, 6000X	5000 <sup>2</sup> , 6000 <sup>2</sup> , 7000 <sup>2</sup>	9000 <sup>3</sup> , 90000 <sup>3</sup> , S-Series, EXR-Series, MXR-Series, V-Series <sup>3</sup> , Z-Series <sup>3</sup>
AC/DC Current Probe			
TCP202	✓	✓	✓
Single-ended Active Probes			
P6243, P6245, P6205, P6241, P6249	✓	✓	✓
Differential Active Probes			
P5205/P5205A <sup>4</sup> , P5210/P5210A <sup>4</sup>	✓	✓	
P6246, P6247, P6248, P6250, P6251	✓	✓	✓
Optical-to-Electrical Converters			
P6701B, P6703B, P6711, P6713		✓	

1. Software version 1.10 or higher.

2. Software version 06.16 or higher. N2744A is not compatible with 6000 100 MHz scope.

3. Software version 03.11 or higher.

4. On the oscilloscope, select P5205 in the probe listing when using a P5205A, and select P5210 in the probe listing when using a P5210A. N5442A InfiniiMax adapter required.

## Highlights

- Enables TekProbe-BNC™ level II probes to connect to Keysight's AutoProbe interface on supported Keysight InfiniiVision and Infiniium oscilloscopes; see compatibility table for details
- An easy-to-use plug-on adapter to the Keysight oscilloscope's AutoProbe interface
- Provides necessary power, offset control and calibration as needed to the attached TekProbe probe



## Performance characteristics

### Electrical

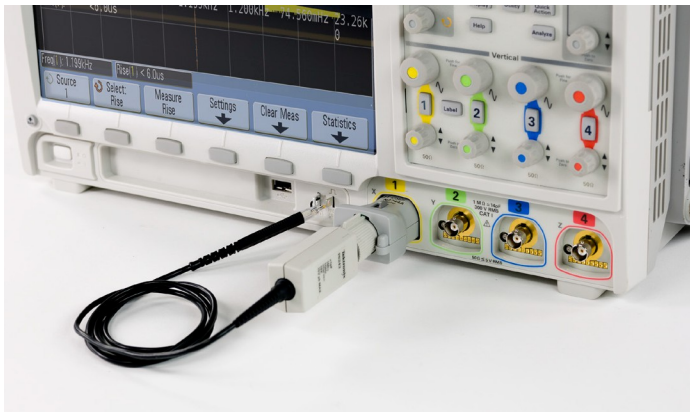
Bandwidth	4 GHz (adapter only)
Power supplies	+15 V, +5 V, -5 V, -15 V (each $\pm 2\%$ )
Max output current	200 mA for positive and negative supplies
Offset control range	$\pm 1$ V (for the adapter)
Max input voltage	$\pm 42$ V <sub>PEAK</sub> , $\pm 30$ V <sub>RMS</sub>

### Environmental

Operating temperature range	0 to +50 C
Non-operating temperature range	-40 to +70 C
Humidity	95% RH at 50 C
Altitude	4000 m

### Physical

Dimensions	37 mm x 29.5 mm x 58 mm (W x L x D)
Weight	45 g



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