Keysight N2744A T2A Interface Adapter





Quick Start Guide

Notices

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Introduction

The N2744A T2A interface adapter enables selected TekProbe interface level 2 probes to be used with Keysight oscilloscopes with AutoProbe 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. The T2A interface adapter supplies the necessary probe power, calibration (for selected models only), 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 2 interfaces and Keysight oscilloscopes with the AutoProbe interface.

Refer to **Table 1** on page 4 for a listing of compatible probes versus compatible Keysight oscilloscopes.

Using the Adapter

To use the N2744A T2A Interface Adapter, follow these steps:

- 1 Connect the N2744A adapter to one of the oscilloscope's AutoProbe interface channel inputs.
- 2 Connect the TekProbe probe to the other side of the N2744A adapter.
- **3** Select the probe model in the oscilloscope's menu and the Keysight oscilloscope automatically sets up the attenuation factor and the probe type.



Table 1 Supported TekProbe with Keysight Compatible Oscilloscopes

Probe	3000X ^a	4000X	5000 ^b	و000 ^د	6000X	7000 ^b	0006 م	p 00006	_{е р} ХООООб	۵۵۵۵۵۹ ^{م و}	S-Series
AC/DC current probe											
TCP202 50 MHz AC/DC probe											
Single-ended active probes											
P6243 1 GHz, 10:1 without offset control											
P6245 1.5 GHz, 10:1 with offset control											
P6205 750 MHz, 10:1 without offset control											
P6241 4 GHz, 10:1 with offset control											
P6249 4 GHz, 5:1 with offset control											
Differential active probes											
P5205/P5205A ^f 100 MHz, 50:1/500:1 with offset control											
P5210/P5210A ^g 50 MHz, 100:1/1000:1 with offset control		•				•					
P6246 400 MHz, 10:1/1:1 with offset control											
P6247 1 GHz, 10:1/1:1 with offset control											
P6248 1.5 GHz, 10:1/1:1 with offset control											
P6250 500 MHz, 50:1/5:1 with offset control											
P6251 1 GHz, 50:1/5:1 with offset control											
Optical-to-electrical converters											
P6701B 1 GHz with FC/PC connector											
P6703B 1.2 GHz with FC/PC connector											
P6711 250 MHz											
P6713 300 MHz											

a Software version 1.10 or higher.

b Software version 06.16 or higher.

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

d Software version 03.11 or higher.

e Requires N5442A BNC Adapter.

f On the oscilloscope, select P5205 in the probe listing when using a P5205A.

g On the oscilloscope, select P5210 in the probe listing when using a P5210A.