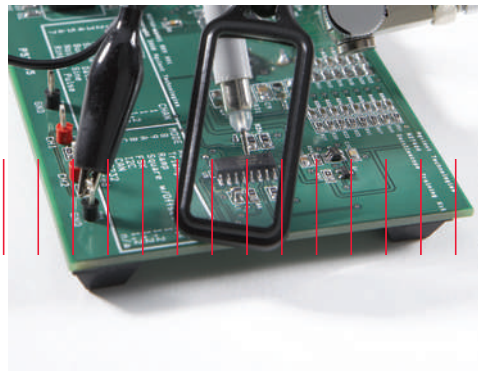
Keysight Technologies
Probe Positioners







Data Sheet

KEYSIGHT TECHNOLOGIES

A full suite of revolutionary probe positioners for quick and stable hands-free probing

- Easy-to-manipulate probe arms for hands-free browsing
- One or two articulated arms with stable high-mass base
- (N2784A and N2785A)
- Quick and stable XY positioning (N2786A)
- Stable 3D probe positioning for hard-to-reach XYZ access (N2787A)
- Compatible with most scope probes
- Applications: Hands-free probing for electronic components on PC boards

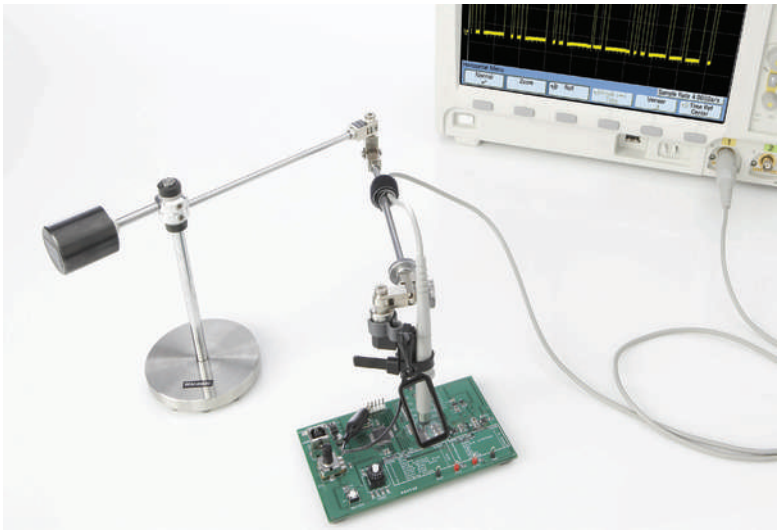


Figure 1. N2784A one-arm probe positioner

Quick and stable XY browsing- N2784A and N2785A

The N2784A and N2785A probe positioners provide quick and stable X-Y positioning to PC boards and devices that require hands-free probing.

Unlike other probe positioners that require multiple adjustments to lock the probe holder into position, the N2784A and N2785A need only a “lift and drop” motion to position the probe in place. The weight stabilization technique used in the probe holder keeps constant pressure at the probing point so the probe tip stays in position even when the target board is bumped.

The N2784A and N2785A probe positioners are compatible with most Keysight Technologies, Inc.scope probes, including InfiniiMax single-ended and differential browsers. They are also compatible with various probes manufactured by other vendors. The N2784A comes with a single positioning arm, while the N2785A comes with two positioning arms.

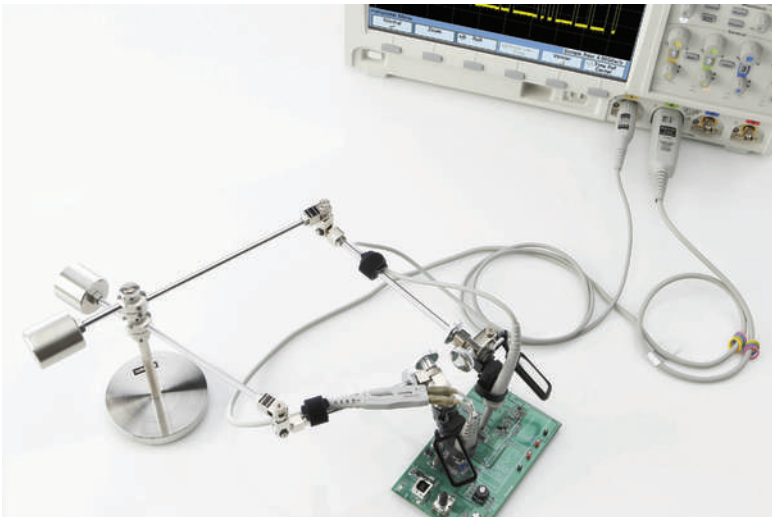


Figure 2. N2785A two-arm probe positioner



Figure 3. See a close-up view of the probing contact through the included 3X magnifying glass

Low-cost two-legged positioner - N2786A

The N2786A is a low-cost, easy-to-use XY axis probe holder for general purpose probing applications. The two-legged positioner is designed to be easy-to-use - the positioner itself has no controls to position it in place. This positioner has three different sized apertures into which various sized probes can be placed. All of Keysight's 2.5mm and 5mm passive probes such as N2870A-76A, 10073C, 10074C, N2862A, N2863A, 1165A etc. and most other passive probes in the market can be used with the N2786A positioner.



Figure 4. N2786A two-leg probe positioner

Your ultimate 3D positioning solution - N2787A

The N2787A is a 3D probe positioner with a flexible, articulating arm that can be quickly positioned in a wide variety of configurations. At the same time it also allows fine-adjustment to the probe location to obtain stable contact. This universal probe holder fits most Keysight passive and active probes, including InfiniiMax single-ended or differential browsers.



Figure 5. N2787A 3D probe positioner

	N2786A two-legged positioner	N2787A 3D positioner	N2784A XY 1-arm positioner	N2785A XY 2-arm positioner
Probe compatibility	Keysight passive probes and single-ended active probes	Most of Keysight's probes, including InfiniiMax browsers		
Target applications	Quick XY positioning	3D (XYZ) positioning	Quick and Stable XY browsing	

Compatible probes

Description	N2784A/N2785A	N2786A	N2787A
InfiniiMax 1130A/1131A/1132A/1134A and 1168A/1169A active probe with single-ended or differential browser	√		√
1156A/1157A/1158A active probe	√	√	√
1141A/1153A active probe	√		
1144A active probe	√	√	√
N287xA passive probes	√	√	√
116x passive probe	√	√	√
N2782A/N2783A passive probe	√	√	√
104xx passive probe	√	√	√
Many other Keysight probes and oscilloscope probes from other vendors	√	√	√

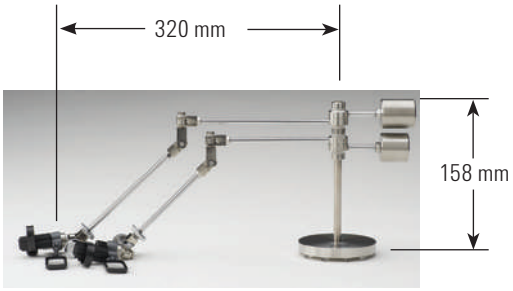
Characteristics

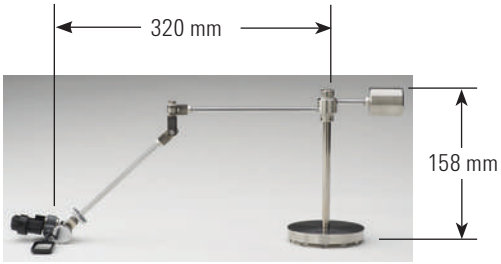
Product number	Specification	Weight
N2784A/N2785A	1 arm length x height: 320 mm x 158 mm	N2784A 850 g N2785A 1.25 kg
N2786A	height: 91.5 mm, width: 67 mm	51.5 g
N2787A	arm length: 200 mm, head length 45 mm, base diameter: 100 mm	1.52 kg

Ordering Information

Product number	Description
N2784A	1-arm probe positioner
N2785A	2-arm probe positioner
N2786A	two leg positioner
N2787A	3D positioner

1. N2784A and N2785A include 3x magnifying glass, arm strap, cable tie, probe rest and manual.
2. N2786A includes manual.
3. N2787A includes probe head and manual. **Probe is not included in the positioner.**





Related Literature

Publication title	Description	Publication number
Keysight oscilloscope probes and acces-soties	Selection guide	5989-6162EN
Keysight 5000, 6000 and 7000 Series InfiniiVision oscilloscopes probes and accessories	Data sheet	5968-8153EN
Keysight Infiniium oscilloscope probes, accessories and options	Data sheet	5968-7141EN

myKeysight

myKeysight

www.keysight.com/find/mykeysight
A personalized view into the information most relevant to you.

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty
Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans
Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

www.keysight.com/quality
Keysight Technologies, Inc.
DEKRA Certified ISO 9001:2008
Quality Management System

Keysight Channel Partners

www.keysight.com/find/channelpartners
Get the best of both worlds: Keysight's measurement expertise and product breadth, combined with channel partner convenience.

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at:
www.keysight.com/find/contactus

Americas

Canada	(877) 894 4414
Brazil	55 11 3351 7010
Mexico	001 800 254 2440
United States	(800) 829 4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Other AP Countries	(65) 6375 8100

Europe & Middle East

Austria	0800 001122
Belgium	0800 58580
Finland	0800 523252
France	0805 980333
Germany	0800 6270999
Ireland	1800 832700
Israel	1 809 343051
Italy	800 599100
Luxembourg	+32 800 58580
Netherlands	0800 0233200
Russia	8800 5009286
Spain	0800 000154
Sweden	0200 882255
Switzerland	0800 805353 Opt. 1 (DE) Opt. 2 (FR) Opt. 3 (IT)
United Kingdom	0800 0260637

For other unlisted countries:
www.keysight.com/find/contactus
(BP-07-01-14)

KEYSIGHT TECHNOLOGIES

This information is subject to change without notice.
© Keysight Technologies, 2009 - 2014
Published in USA, July 31, 2014
5989-9131EN
www.keysight.com