Agilent
Probe Positioners

Data Sheet

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

Agilent Technologies

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 Agilent 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.
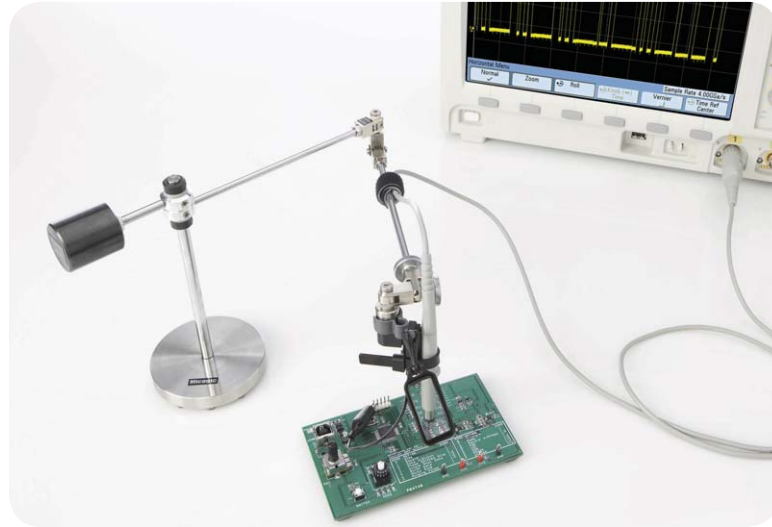

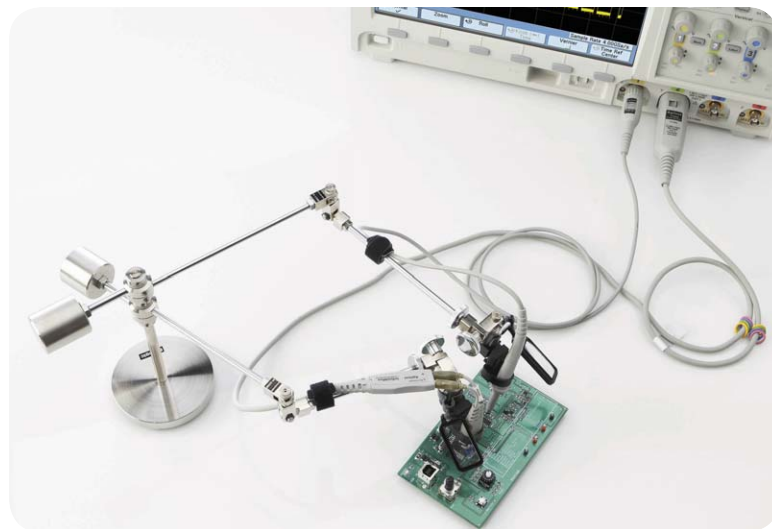**Figure 1. N2784A one-arm probe positioner**

Figure 2. N2785A two-arm probe positioner

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

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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 Agilent'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 Agilent 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	Agilent passive probes and single-ended active probes	Most of Agilent's probes, including InfiniiMax browsers		
Target applications	Quick XY positioning	3D (XYZ) positioning	Quick and stable XY browsing	

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Compatible probes

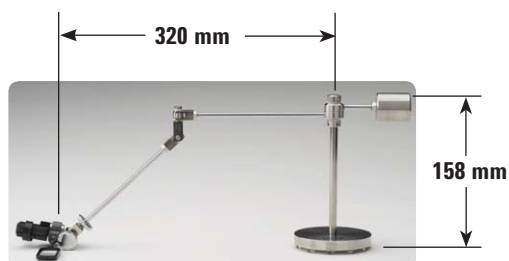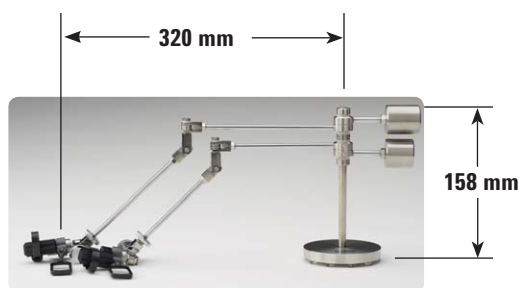| Description	N2784A/N2785A	N2786A	N2787A
InfiniiMax 1130A/1131A/1132A/1134A and 1168A/1169A active probe with single-ended or differential browser	√		√
1156A/1157A/1158A active probe	√	√	√
1141A/1153A active probe	√		
1144A active probe	√	√	√
N287xA passive probes	√	√	√
116x passive probe	√	√	√
N2782A/N2783A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

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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
Agilent oscilloscope probes and accessoties	Selection guide	5989-6162EN
Agilent 5000, 6000 and 7000 Series InfiniiVision oscilloscopes probes and accessories	Data sheet	5968-8153EN
Agilent Infiniium oscilloscope probes, accessories and options	Data sheet	5968-7141EN

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