

# Agilent Technologies 54620-Series Oscilloscope Probes and Accessories

## Product Overview



To get the most out of your scope, you need the right probes and accessories for your particular application. That's why Agilent Technologies offers a complete family of innovative probes and accessories for the 54620-Series scopes.

And because your time is valuable, we've made it easy for you to order the probes and accessories included in this data sheet. Just visit the Agilent Technologies web site at [www.agilent.com/find/megazoom](http://www.agilent.com/find/megazoom) and follow the links for online ordering. Use your credit card to place your order, and you'll be done in just a few minutes-so you can get back to doing your real job. For more information call your local Agilent sales office.

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**Agilent Technologies**

Innovating the HP Way

# Passive Probes

- Designed for optimal performance with your Agilent 54620-Series scope
- 1:1 and 10:1 attenuation
- 20 to 150 MHz

## Rugged, high-quality probes at a reasonable price

Agilent 10070-family passive probes are a great choice if you're looking for high quality at a very reasonable price. These general-purpose probes are designed specifically to give you optimal performance with your 54620-Series oscilloscopes. Ruggedized for general-purpose measurements, they feature a durable cable and a solid stainless steel probe body encased with a hard, fracture-resistant plastic. They're designed and tested to ensure the probes operate in the toughest of conditions.

Probes come with the following accessories:

- General-purpose retractable hook tip hooks onto wires and test points for hands-free probing
- Ground bayonet provides short, flexible ground lead for high-frequency measurements
- General-purpose alligator clip ground lead for versatile grounding
- Color tags (2 orange, 2 white, 2 blue and 2 green) to place at both ends of probe cable to help you quickly identify probes

## Accessories available for passive probes

5081-7705 Probe-tip-to-BNC (m) adapter

8710-2063 Dual-lead adapter provides easy connection from probe signal and ground to fine-pitch probing accessories.

10072A Fine-pitch probing kit includes 10 SMT clips and 2 dual-lead adapters.

10075A 0.5 mm IC probing kit contains four 0.5 mm IC clips and 2 dual-lead adapters.

## Ordering Information for Agilent Technologies Passive Probes

All 10070-family passive probes include one retractable hook tip, one ground bayonet, one IC probing tip, one alligator ground lead and a compensation screw-driver.

### 10070C

1:1 Passive probe

### 10074C

10:1 150 MHz Passive Probe

### 10072A

Fine-pitch probing kit

### 10075A

0.5 mm IC probing kit

5081-7705 Probe-tip-to-BNC (m) adapter

8710-2063 Dual-lead adapter.



10074C Passive Probe



10072A Fine-pitch probing kit with 10073B Passive Probe

## Specifications for Agilent Technologies 10070 Family Passive Probes

	10070C	10074C
Bandwidth	20 MHz	150 MHz
Risetime (Calculated)	< 17.5 ns	< 2.33 ns
Attenuation Ratio	1:1	10:1
Input Resistance (when terminated into 1 Mohm)	1 MΩ	10 MΩ
Input Capacitance	Approx 70 pF	Approx 15 pF
Maximum Input (dc + peak ac)	500 V CAT I (mains isolated) 400 V CAT II (post receptacle mains)	
Compensation Range	None	9 – 17 pF
Probe Readout	Yes	Yes
Cable Length	1.5 m	1.5 m

# High-Voltage Passive Probes

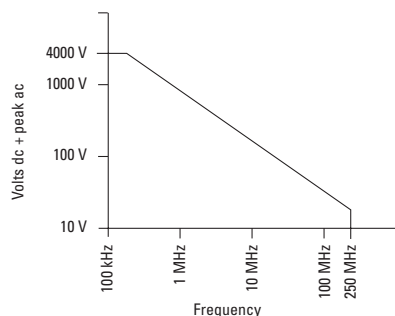
- Ideal for measuring up to 30 kV
- Up to 250 MHz bandwidth
- 100:1 or 1000:1 attenuation

## 10076A makes high-voltage measurements with ease

The Agilent 10076A 4 kV 100:1 passive probe gives you the voltage and bandwidth you need for making high-voltage measurements. Its compact design makes it easier to probe today's small power electronics components and its rugged construction means it can withstand rough handling without breaking.

### Specifications for Agilent Technologies 10076A High-Voltage Probe

Bandwidth	250 MHz (-3dB)
Risetime (Calculated)	< 1.4 ns
Attenuation Ratio	100:1
Input Resistance	66.7 M $\Omega$ (when terminated into 1 M $\Omega$ )
Input Capacitance	Approx 3 pF
Maximum Input	4000 Vpk
Compensation Range	7-20 pF
Probe Readout	Yes
Cable Length	1.8 m



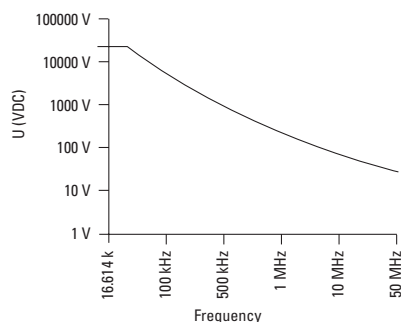
10076A Derating Curve

## N2771A High-voltage Probe

The N2771A is a 1000:1 divider probe for the measurement of fast high voltage signals. Up to 30 kV dc + peak ac, 10 kV rms.

The probe's large size and rugged construction provides superior protection. The ground lead is fed through the body of the probe and protrudes behind the safety barrier, keeping the ground connection away from the high voltage. Typical applications include PMT's, motor drives, high voltage switches, magnatrons and modern projection systems.

Bandwidth	50 MHz (-3dB)
Risetime	<7 ns
Attenuation Ratio	1000:1
Input Resistance	100 M $\Omega$ (when terminated into 1 M $\Omega$ )
Input Capacitance	1 pF
Compensation Range	7-25 pF
Max. Voltage	15 kV dc, 10 kV rms, 30 kV dc + peak ac
Operating Temperature	0°C to +50°C, 80% RH
Storage Temperature	-20°C to +70°C, 90% RH
Dimensions	2 cm (max width of probe stem after handle) x 33 cm 7.5 cm (max probe width at probe handle) x 33 cm



N2771A Derating Curve

## Ordering Information for Agilent Technologies High-voltage Probe

### 10076A

High-voltage probe

includes one retractable hook tip, one ground bayonet, one IC probing tip, one alligator ground lead and a compensation screwdriver

### N2771A

High-voltage probe

includes alligator ground lead, 1 sharp probe tip, 1 hook probe tip

### 10077A

Accessory kit for 10076A

includes one retractable pincher tip, one ground lead, one insulation cap, two measuring pins and two colored tags.



10076A Passive Probe



N2771A High-Voltage Probe

# Differential Probe

- 20 MHz bandwidth
- 20:1 and 200:1 switchable attenuation
- Measure up to 600 V CAT III and 1000 V CAT II

## Versatile probing for your differential signals

Use the Agilent N2772A Differential Probe with any of the 54620-Series oscilloscopes to safely measure floating circuits with the oscilloscope grounded. With 20 MHz bandwidth and switchable attenuation of 20:1 and 200:1, it provides the versatility for a broad range of applications including high-voltage circuits, motor speed controls, power supply design, and electronic high-power converters.

Each probe comes with 2 sharp probe tips for use on small components and in tight places, 2 retractable probe hooks for connecting to smaller wires and through-hole components, and 2 alligator clips for use with larger cables.

This probe requires a 9 V battery or Agilent N2773A power supply.

## Specifications for Agilent Technologies N2772A Differential Probe

Bandwidth	20 M
Risetime	17.5 ns
Attenuation ratios	20:1 and 200:1 Selectable via switch on probe.
High CMRR	80 dB @ 60Hz, 50 dB @ 1 MHz
Input impedance	Between inputs: 10 M $\Omega$ , 5 pF
Measure up to	600 V CAT III

## Agilent N2773A Power Supply

N2773A power supply provides power for the N2772A differential probe. It makes testing more convenient because you don't have to replace probe batteries. This power supply has selectable ac frequency settings for 115 V and 230 V ac at 50, 60 and 400 Hz. This power supply is designed specifically for use with the N2772A probe to ensure safe operation.

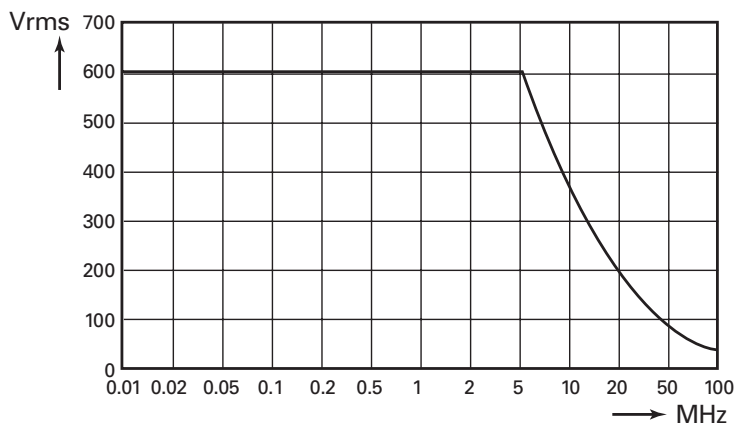
## Ordering Information for Agilent Technologies Differential Probe and Power Supply

### N2772A

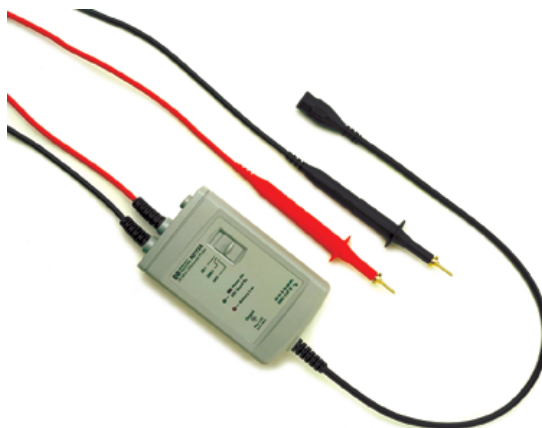
20 MHz differential probe, supplied with a retractable hook, sharp probe tips and alligator clips

### N2773A

Power supply



Derating of each input for the N2772A



N2772 Differential Probe

# Mixed Signal Oscilloscope Logic Probes

- Same cables used for high-performance logic analyzers
- Flying leads offer flexibility and convenience

## MSO probes offer great value and performance

These probes for the 54621D and 54622D Mixed Signal Oscilloscopes (MSOs) are the same ones used with Agilent industry-leading high-performance logic analyzers. This means we can offer the best performance, great value and access to the industry's broadest range of logic probing accessories.

The 10089A 2 x 8-signal logic probe with flying leads makes it possible to connect at several different places on your device under test. The probe cable is divided into two sets of eight channels so you can probe pins that are far apart and work conveniently with only one set if that's all you require. For optimal signal fidelity, it is possible to connect ground at each logic probe, in addition to taking a common ground to all eight signals via a separate ground connector on the probe pod. This probe is included with 54621D and 54622D MSOs.

## Specifications for Agilent Technologies 10089A Logic Probe

Input impedance
100 k $\Omega$
Input capacitance
8 pF



10089A Logic Probe

The 10085A 16-channel logic probe and termination adapter is designed to make it easy to connect to industry-standard, 20-pin board connectors. For use with the 54621D and 54622D Mixed Signal Oscilloscopes, this probe consists of a 2 m logic analyzer probe cable and a 01650-63203 termination adapter that provides the proper RC networks in a very convenient package. Three 20-pin, low-profile, straight board connectors are included. Additional board connectors can be ordered from Agilent Technologies or 3M.

## Specifications for Agilent Technologies 10085A Logic Probe and Termination Adapter

Input impedance
100 k $\Omega$
Input capacitance
12 pF



10085A Logic Probe

## Ordering Information for Agilent Technologies Logic Probes

### 10089A

Logic probe with  
2 x 8 flying leads. Includes  
20 IC clips and 5 ground leads.

### 10085A

Logic probe &  
termination adapter

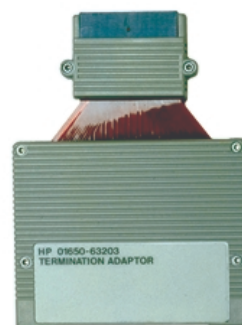
### Board Connectors:

#### 1251-8106

(3M part #2520-6002)  
20-Pin, low profile (straight)

#### 1251-8473

(3M part #2520-5002)  
20-Pin, low profile (right angle)



Termination adapter included in the 10085A



# Current Probes

- Choice of DC – 100kHz and DC-50MHz bandwidth
- Hybrid technology to measure ac and dc
- Compatible with any 1Mohm scope input

## Accurate current measurements without breaking the circuit

Compatible with any scope or voltage measuring instruments with BNC input, the 1146A and N2774A offer accurate and reliable solution for measuring dc and ac currents. The probes use a hybrid technology that includes a Hall effect sensor, which senses the DC current and a current transformer, which senses the AC current, making it unnecessary to make an electrical connection to the circuit.

### 1146A 100kHz Current Probe

The 1146A ac/dc current probe provides accurate display and measurement of currents from 100mA to 100Arms, dc to 100kHz, without breaking into the circuit. A battery level indicator and overload indicator help ensure proper readings. It connects directly to the scope through a 2m coaxial cable with an insulated BNC.

### N2774A 50MHz Current Probe

The N2774A is a high bandwidth, active current probe, featuring flat bandwidth (DC-50MHz), low noise (<2.5mArms) and low circuit insertion loss. In conjunction with the power supply (model N2775A), this probe can be used with any oscilloscope having a BNC input. Companion power supply N2775A (2x 12Vdc output) lets you connect two N2774As to a single power supply.



1146A 100kHz current probe



N2774A 50 MHz current probe and N2775A power supply

## Characteristics of the 1146A Current Probe

Bandwidth*	
dc to 100 kHz (-3dB)	
Current Range*	
100 mV/A: 100 mA to 10 A peak	
10 mV/A: 1 to 100 A peak	
Output Signal	
1000 mV peak max	
AC Current Accuracy*	
Range:	100 mV/A (50 mA to 10 A peak)
Accuracy:	3% of reading $\pm 50$ mA
Range:	10 mV/A (500 mA to 40 A peak)
Accuracy:	4% of reading $\pm 50$ mA
Range:	10 mV/A (40 A to 100 A peak)
Accuracy:	15% max at 100 A
Phase Shift	
< 1° from dc to 65 Hz on 10 mV/A	
< 1.5° from dc to 65 Hz on 100 mV/A	
Noise	
Range 10 mV/A:	480 $\mu$ V
Range 100 mV/A:	3 mV
Slew Rate	
Range 10 mV/A:	20 mV/ $\mu$ s
Range 100 mV/A:	0.3 V/ $\mu$ s
Insertion Impedance	
(50/60 Hz) 0.01 $\Omega$	
Rise or Fall Time	
Range 100 mV/A:	3 $\mu$ s
Range 10 mV/A:	4 $\mu$ s
Maximum Working Voltage	
600 Vrms max.	
Maximum Common Mode Voltage	
600 Vrms max.	

Influence of Adjacent Conductor	<0.2 mA/A AC
Influence of Conductor Position	0.5% of reading at 1 kHz in jaw
Battery	
9 V alkaline (NEDA 1604A, IEC 6LR61)	
Low battery	
green LED when >6.5 V	
Battery Life	
55 hours typical	

Notes:

1. Characteristics marked with asterisks are specified performance. Others are typical characteristics.
2. Reference conditions 23°C  $\pm$  5°C, 20 to 75% relative humidity, dc to 1kHz, probe zeroed, 1-minute warmup, batteries at 9 V + 0.1 V, external magnetic field <40 A/m, no dc component, no external current carrying conductor, 1 M $\Omega$ / 100 pF load, conductor centered in jaw.

## Characteristics of N2774A Current Probe

Bandwidth (-3dB)	DC to 50MHz
Risetime	7 ns or less
Rated current	15A peak (AC+DC components)
Maximum peak current	30A peak; Non-continuous 50A peak; at pulse width at 10 $\mu$ s
Output voltage rate	0.1V/A
Amplitude accuracy	$\pm 0.5\%$ rdg, $\pm 1$ mV (DC and 45 to 66Hz, rated current)

Noise	Equivalent to 2.5mArms or less (for 20MHz bandwidth measuring instrument)
Temperature coefficient for sensitivity	$\pm 2\%$ or less (within a Range of 0 °C to 40 °C or 32 °F to 104 °F)
Effect of external magnetic fields	Equivalent to a maximum of 20mA (in a DC to 60Hz, 400A/m magnetic field)
Maximum rated power	3VA (with rated current)
Rated supply voltage	DC $\pm 12$ V $\pm 1$ V
Diameter of measurable conductors	5mm dia. (0.2" dia.)
Cable lengths	Sensor cable: Approx. 1.5m (59.0") Power supply cable: Approx. 1m (39.4")

Note: The above specifications are guaranteed at 23 °C  $\pm$  3 °C (or 73 °F  $\pm$  5 °F)

## Ordering information for Agilent 1146A and N2774A current probe

1146A 100kHz Current probe
N2774A 50MHz current probe
N2775A Power supply for N2774A

# Agilent Wedge Probe Adapter

- Easy connection to surface mount ICs
- Safe, with no chance of shorting
- Mechanically non-invasive contact
- 3-, 8- and 16-signal versions
- Supports 0.5 mm and 0.65 mm TQFP and PQFP packages

## Easily connect to fine-pitch ICs

### Make the inaccessible accessible with this non-invasive, problem-free probing solution

The Agilent Wedge Probe Adapter eliminates many of the frustrations associated with probing surface mount components. If you've ever accidentally shorted IC pins together, experienced electrical and/or mechanical problems with soldering small wires onto leads, or gotten frustrated juggling multiple probes while you're trying to operate your scope, the Wedge was designed with you in mind.

### Problem-free probing

When you use the Wedge, you don't have to worry about shorting IC pins together on a delicate component -- or worse yet, on an irreplaceable prototype. The Wedge is easy to insert and it stays put. There's no need to solder small wires onto leads. The Wedge is mechanically non-invasive, so you won't damage the legs of the IC. Instead, you'll have easy access to hard-to-reach components.

### Electrical reliability

The Wedge makes two contact points with each leg of the IC. This redundant physical connection increases the electrical reliability of the connection. And the Wedge's low capacitance and inductance provides superior performance to many other alternatives.

## IC Clip Kits

An inexpensive solution for probing fine-pitch ICs, the 10072A SMT Kit includes ten IC clips and two dual-lead adapters that connect the clips directly to 10070-family probes.

The 10075A 0.5-mm IC Clip Kit contains the smallest clips in the industry to date. They're ideal for connecting to IC's as fine as 0.5 mm. The clip body allows many clips to be mounted side-by-side. The kit includes four 0.5-mm IC clips and two dual-lead adapters that connect the IC clips directly to 10070-family probes.

## Agilent Wedge Electrical Characteristics

Operating Voltage	<40 V dc + peak ac
Operating Current	0.5 A maximum
Capacitance Between Contacts	2 pF typical (all except Agilent E2643A/44A) 4.33 pF typical at 1 MHz (Agilent E2643A/44A)
Self-Inductance	15 nH typical (all except Agilent E2643A/44A) 37 nH typical at 1 MHz (Agilent E2642A/44A)
Cross Coupling	-31 dB typical at 100 MHz (Agilent E2643A/44A)
Contact Resistance	<0.1 $\Omega$

## Ordering Information

<b>E2613A</b>	0.5 mm Wedge probe adapter 3-signal, qty 1
<b>E2613B</b>	0.5 mm Wedge probe adapter, 3-signal, qty 2
<b>E2614A</b>	0.5 mm Wedge probe adapter, 8-signal, qty 1
<b>E2643A</b>	0.5 mm, Wedge probe adapter 16-signal, qty 1
<b>E2615A</b>	0.65 mm Wedge probe adapter 3-signal, qty 1
<b>E2615B</b>	0.65 mm, Wedge probe adapter, 3-signal, qty 2
<b>E2616A,</b>	0.65 mm, Wedge probe adapter, 8-signal, qty 1
<b>E2644A,</b>	0.65 mm, Wedge probe adapter, 16-signal, qty 1
<b>10072A</b>	SMT kit for 10070 probe family
<b>10075A</b>	0.5 mm IC clip kit



# Printer Kit

- Easily print screens and setups
- No separate power supply required

## Everything you need for easy and portable documentation

The Agilent N2727A printer kit comes complete with everything you need for easy documentation directly from your 54620-Series scope. It lets you easily print screen displays and key setup parameters so you can include them in reports and share them with colleagues.

You don't need a separate power supply with this thermal printer because it's powered directly from your oscilloscope. And it includes a specially designed short, flat, parallel cable to make it easy to connect it to your scope.

Store the printer in the special pouch that fits on top of your scope -- it includes a separate compartment where you can conveniently store your probes and accessories, too. It comes with three rolls of printer paper -- enough for you to print 200 screen captures with setup information.

## Specifications for Agilent Technologies N2727A Printer Kit

Dimensions (printer)	166 mm x 166 mm x 66 mm
Typical Print Speed	2:33 minutes
Typical Scope Spool Time	9 seconds

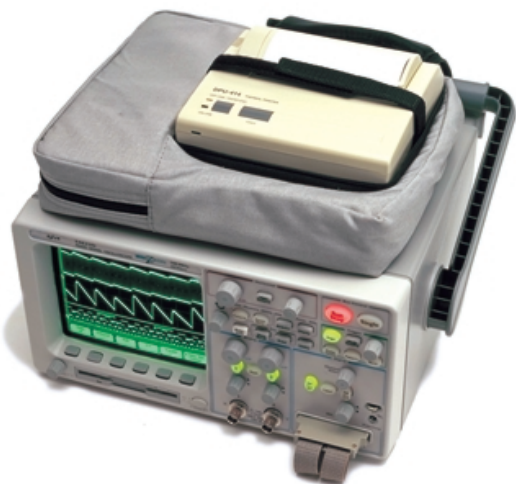
## Ordering information

### N2727A Printer kit

(includes Seiko DPU-414 thermal printer, printer pouch, power cable, special parallel cable, 3 rolls of printer paper)

### N2728A 10 rolls of printer paper

(Can also be purchased directly from a Seiko distributor.)  
Dimension of paper roll  
4-3/8" width x 1-13/16" diameter

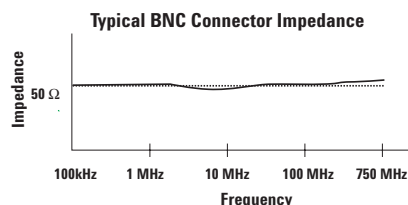




# 50-Ohm BNC Adapters, Feed-through Terminations and Coaxial

## Adapters and connectors for demanding engineers

Not all BNC adapters and feedthrough terminations are the same, and making a bad choice can have a big impact on your measurement. That's why Agilent adapters and connectors are the choice for engineers the world over who demand excellence in their measurement setup.



Accuracy:

1 MHz to 100 MHz	± 1%
100 MHz to 300 MHz	± 3%
300 MHz to 500 MHz	± 5%

## Ordering Information

### 50 $\Omega$ BNC adapters

- E9620A** - BNC (m) to BNC (f) right angle
- E9622A** - BNC (f) to BNC (f).
- E9624A** - BNC (m) to BNC (m)
- E9625A** - Tee BNC (m) (f) (f)
- E9627A** - BNC (m) to . single banana (f)
- E9637A** - BNC (f) to. dual banana (m)
- 10110B** - BNC (m) to dual banana (f)

### 50 $\Omega$ BNC to N Adapters

- E9635A** - BNC (f) to N (m)
- E9621A** - BNC (m) to N (f)
- E9623A** - BNC (m) to N (m)

## Feedthrough terminations and blocking capacitor

- 11048C** - BNC (m) to BNC (f) 50  $\Omega$  feedthrough
- E9623A** - BNC (m) to BNC (m) 50  $\Omega$  feedthrough
- 11094B** - BNC (m) to BNC (f) 75  $\Omega$  feedthrough
- 10240B** - blocking capacitor for ac coupling BNC
- 10100C** 50  $\Omega$  high-performance feedthrough

## Coaxial Cable

These high-quality coaxial cables have BNC (m) terminations on both ends. These double-shielded cables feature 50  $\Omega$  impedance, a durable PVC jacket and strain relief.

### 8120-1838

30 cm Coaxial cable

### 8120-1839.

60 cm Coaxial cable

### 8120-1840

120 cm Coaxial cable



# PC Connectivity

## Get scope data into your PC without programming with Agilent IntuiLink

To simplify the task of transferring images and waveform data to your PC, Agilent IntuiLink software is included free with 100-MHz 54620-Series scopes. IntuiLink provides easy access to the scope data and images from within your standard PC applications. You work in a familiar environment at all times, using PC applications such as Microsoft® Excel or Word to analyze, interpret, display, print, and document the data you get from the scope. The IntuiLink application toolbar makes it easy, providing an easy way to download data and screenshots into a spreadsheet or document. You can also save the scope settings and retrieve them later to reproduce difficult setup like glitch capture and complex triggering.

Programmers can use an ActiveX control to program instruments directly using high-level toolbar functions. With IntuiLink, programmers also have access to the scope's SCPI commands to tackle complex tasks. IntuiLink brings the barriers down, simplifying the way you do your job.

If you choose one of the 60-MHz 54620-Series scopes, you can download Agilent IntuiLink software free from the web at [www.agilent.com/find/intuilink](http://www.agilent.com/find/intuilink)

## Specifications for Agilent Technologies IntuiLink

Minimum PC configuration requirement:

Windows 95/98/NT 4.0 SP4 or higher  
/Windows 2000, Pentium 90, 32MB  
RAM, 50 MB free disk space, installed  
GPIB I/O

Environment supported

Applications:

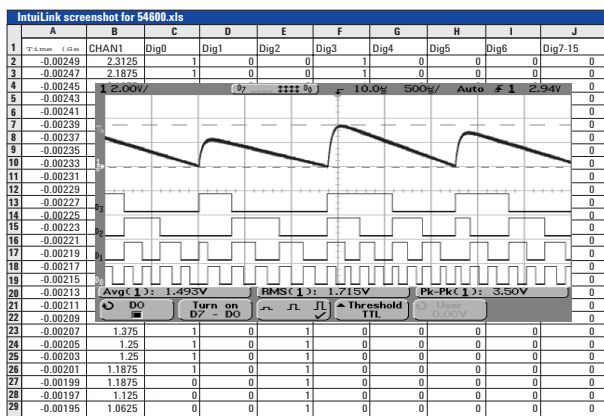
Microsoft Excel 97 and 2000  
Microsoft Word 97 and 2000

Software development:

Visual Basic 5.0/6.0  
VBA 5.0/6.0  
Agilent VEE 5.0 or greater  
LabView 5.1 or greater  
Visual C/C++ 5.0/6.0

## GPIB for fast data transfers

If you need fast data transfers, equip your 54620-Series scope with GPIB communication. Agilent offers a GPIB card for your PC, as well as a cable, and a GPIB I/O communication module that provides a GPIB port for your scope.



Simple transfer of images and data with IntuiLink

- Ideal for documentation and archiving
- Works in familiar Microsoft® Excel and Word environments
- Leverage the power of Excel for data analysis and advanced graphing
- ActiveX controls provided for more flexible scope programming
- It's included standard!

## RS-232 cable

If you need an RS-232 cable for your 60-MHz 54620-Series scope, order the Agilent 34398A RS-232 cable. It comes standard with 100-MHz models.

## Ordering Information

IntuiLink download free from

[www.agilent.com/find/intuilink](http://www.agilent.com/find/intuilink)

For more comprehensive information on Intuilink, please see the IntuiLink datasheet with Agilent publication number 5980-3115EN.

## GPIB

N2757A GPIB oscilloscope interface module

82341C GPIB PC card

82341D GPIB PC card

82350A GPIB PC card

10834A GPIB adapter

Provides addition clearance between GPIB socket and PC chassis

10833A GPIB cable, 1 m long

10833B GPIB cable, 2 m long

10833D GPIB cable, 0.5 m long

## RS-232 cables

34398A RS-232 cable,

9 pin (f) to 9 pin (f) plus

9 pin (m) to 25 pin (f) adapter

34399A RS-232 adapter kit,

includes 9 pin (m) to 25 pin (m)

for use with PC or printer

9 pin (m) to 25 pin (f) for use with

PC or printer

9 pin (m) to 25 pin (m) for use with modem

9 pin (m) to 9 pin (m) for use with modem

Model	Agilent 82341C	Agilent 82341D	Agilent 82350A
Descriptive	High-performance GPIB interface for PC	plug&play, high-performance GPIB interface for PC	High-performance GPIB interface for PCI bus computers
Operating System	Windows® 3.1, 95, 98, NT®	Windows® 95, 98	Windows® 95, 98, NT®
I/O Library	SICL/VISA	SICL/VISA	SICL/VISA
Backplane	ISA/EISA	ISA/EISA	PCI
Max. Speed	750 KB/s	750 KB/s	750 KB/s
Buffering	Built-in	Built-in	Built-in
Languages Supported	C/C++, HP BASIC for Windows, Visual Basic, HP VEE	C/C++, HP BASIC for Windows, Visual Basic, HP VEE	C/C++, HP BASIC for Windows, Visual Basic, HP VEE

# Miscellaneous Accessories

## Testmobile

The sturdy Agilent 1183A Testmobile makes sharing your scope easy. Its large wheels make it easy to roll from place to place, and an adjustable-tilt tray lets you change the angle of your scope for easy viewing.

### Specifications for the Agilent Technologies 1183A Testmobile

Dimensions	49.0 cm wide x 54.0 cm deep x 81.5 cm high
Upper tray	49.0 cm x 38.0 cm



## Carrying Case

The Agilent 1185A Carrying Case makes transporting and shipping your 54620-family oscilloscope safe and simple. A scope, optional module and other accessories fit neatly inside the padded shell of hard plastic and the case is lockable for shipment.

### Specifications for the Agilent Technologies 1185A Carrying Case

Dimensions (W x H x D)	45 cm x 42 cm x 31 cm
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Material	Tough ABS Plastic
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## Rackmount Kit

The Agilent 1186A Rackmount Kit positions your 54620-Series scope in the center of the rack. Each kit includes a custom shelf with rails, 6 BNC pass-throughs and all necessary screws.

### Ordering Information

1183A Testmobile
1185A Carrying case
1186A Rackmount kit

**Agilent Technologies'**  
**Test and Measurement Support,**

**Services, and Assistance**

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