

8133a pulse generator manual



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Book Descriptions:

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Support will be provided until December 19 th 2010. On top of the 8133As high performance clock signals, the successors 81133A and 81134A have several additional benefits, including enhanced data and pattern generation capabilities. You can find more information about the replacement products on the product pages of the Keysight 81133A and 81134A. Did you miss your activation email Can someone help out Excellent! No idea what inside the case, or even if its board complete, but the seller accepted what I thought was a reasonable offer so Ill take a look. This is the one I bought Will try to arrange to go pick it up tomorrow. It COULD be easy to fix. Could also have had boards pilfered and Im stuck with a bad power supply and broken front panel and nothing else. I guess Ill find out. Without a service manual available I wouldnt have bothered. It must weigh 60 lbs at least. So, picked up the 8133A, got home and powered it up to see what happens, if there are any beeps, POST messages, fans come on, whether it responds to GPIB, etc. It comes on. I poke around a bit. It works fine. Checked some low frequency stuff with the scope. Will check 13GHz output with the counter. Perhaps it has some problems with certain kinds of outputs or something. Keyboard seems okay, not too snaggly. So Im leaving it running for a few hours to see if it has any thermal issues. Then will open it up and give it a good cleaning, check caps, etc. I bet it either had a loose connector that resettled during transport or because I stood it up sideways perhaps or some other trivial problem. Well, that has worked out alright so far. It was just calibrated. It may have a small scratch here or there. The bottom feet are missing. The top cover has some bad scratches and marks on it see picture. All buttons, knobs, and switches are good and intact. NO options are marked.<https://ecatts.com/userfiles/caldera-spas-pure-comfort-manual.xml>

- **8133a pulse generator manual, 8133a pulse generator manual pdf, 8133a pulse generator manual download, 8133a pulse generator manual free, 8133a pulse generator manual 2017.**

A signal generator is a device that creates electronic signals, repeating or nonrepeating, in the digital or analog domains, depending on need. Signal generators design, test, troubleshoot, and repair electronic devices across many different industries and applications. The HP Agilent 8133A 3 GHz Pulse Generator provides pulses with programmable periods from 333 ps to 30 ns, full 3 GHz pulse capability on all channels. The pulse width can be programmed too, along with a delay or the interchannel delay. At these frequency ranges the transition time performance becomes critical; less than 100 ps is specified, less than 60 ps is typical, so excellent signal integrity is assured. And last but not least, a typical jitter of 1 ps creates precise and accurate timing conditions. GET THIS GREAT WORKING CALIBRATED, HP AGILENT KEYSIGHT 8133A 3 GHz PULSE GENERATOR WITH MANUAL TODAY. Buy from an experienced seller. Buy with confidence as feedback speaks for itself. We will bubble wrap it great and put in a double wall box for safe shipping.All Rights Reserved. Something went wrong.This amount is subject to change until you make payment. For additional information, see the Global Shipping Program terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Program terms and conditions opens in a new window or tab Learn more opens in a new window or tab All Rights Reserved. User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. The ability to emulate the pulse conditions to which the device will be subjected is essential. This emulation should include both typical and worst case conditions. Such accurate emulation requires superlative signal integrity and timing performance. The pulse width

can be programmed too, along with a delay or the interchannel delay. <https://www.frazarij.com/userfiles/caldera-olympia-spa-manual.xml>

At these frequency ranges the transition time performance becomes critical; less than ps is specified, less than ps is typical, so excellent signal integrity is assured. And last but not least, a typical jitter 1 ps creates precise and accurate timing conditions. A second channel can be added. The easy access to all parameters helps you concentrate on the measurement task and react immediately to unexpected problems. The constant vernier steps for parameters allow you to increment or decrement through the entire parameter range with a fixed stepsize, using only one key, which is especially helpful when doing margin testing. You can quickly recall last valid setting if you prefer. The differences are timing capabilities and number of channels with different functionality. Nonwarranted values are described as typical. Measured at 50% amplitude at fastest transitions in continuous mode and 50 W source impedance. Mainframe Output module Frequency Range Period Range Timing resolution RMS Jitter period, delay, width Agilent 8133A Pulse Channel 1 33.0 MHz to 3.0000 GHz ns 3.5 digits, 1 ps best case less than 1 ps typical 0.5% 0.1% typical ps to period 150 ps maximum 30 ps typical. In square mode the duty cycle is fixed at 50% Width and duty cycle are mutually exclusive. Duty Cycle settings and limits are subject to the same specifications and settings as Width. Delay variation Channel 2 to Channel 1 The interchannel delay between Channel 1 and Channel 2 is the programmed delay of Channel Any parameter variation Only delay variation Delay and Phase are mutually exclusive. Phase settings and limits are subject to the same specifications and settings as Delay or Phase, plus Skew must be within the Delay Range The external period or frequency is measured and displayed, allowing the correct setting of Duty Cycle and Phase also in External Clock mode. This Device. This Device is Unconditional. This Device. This Device is Unconditional Advanced CMOS Technology Guaranteed low skew.

It is like a Shopping Cart, but instead of inserting items to purchase into your cart, you insert your requests for quotes. You can manage your Request Cart by clicking on the icon Note If you are a dealer, please register here. It is like a Shopping Cart, but instead of inserting items to purchase into your cart, you insert your requests for quotes. Use Product Category to narrow search results or navigate to a particular type of product. The pulse width can be programmed too, along with a delay or the interchannel delay. And last but not least, a typical jitter of 1 ps creates precise and accurate timing conditions. The Keysight 8133A is fully tested and refurbished in our inhouse ISO9001 calibration laboratory. We supply manuals, accessories, full warranty and a free of charge Certificate of Conformity. We can also provide the Keysight 8133A with a fresh calibration for a small additional charge. If you have underutilised test equipment talk to us about trading in or part exchanging it towards the Keysight 8133A or other refurbished test equipment. And last but not least, a typical jitter of 1 ps creates precise and accurate timing conditions. All rights reserved. The Agilent 8133A timing generator, 33 MHz to 3 GHz makes an outstanding contribution through high resolution 1 psec very low jitter and very fast linear transitions. This supports 32bit patterns and the CCITT 0.151 2231 prbs. All inputs and outputs are SMA f 3.5 mm connectors Agilent SMABNC adapters are available, see General Purpose Grade Adapters for more info. Features. Learn more opens in a new window or tab This amount is subject to change until you make payment. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab This amount is subject to change until you make payment.

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seller's listing for full details. Contact the seller opens in a new window or tab and request a postage method to your location. Please enter a valid postcode. Please enter a number less than or equal to 1. Sellers may be required to accept returns for items that are not as described. Learn more about your rights as a buyer. opens in a new window or tab You're covered by the eBay Money Back Guarantee if you receive an item that is not as described in the listing. All Rights Reserved. We know there are plenty of differences when it comes to used equipment and quite often, choosing between different pieces is difficult, especially when the equipment is not sitting right in front of you. Well, what if you were able to see a piece of equipment before you purchased it. Not just a picture from the manufacturer's website, but the actual piece of equipment you would receive. You can zoom in close to see the labels with the serial number or zoom out to see the overall condition of the equipment. It's like having the store come to you. Thank You! We will be contacting you shortly. We hope to earn your business. Discounts may be offered for reduced service levels. Please let us know which of you should expect a response within We hope to earn your business. In addition, this unit provides pulses with programmable period from 333 ps to 30 ns, full 3 GHz pulse capability on all channels. Optional channels of delay and pulse are available call for details.

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Other features and specifications include Subscribe to our newsletter. SUBSCRIBE. Available 900 AM 500 PM CET. Instruments have adjustable pulse duration and are available with manual or computer control. Available 900 AM 500 PM CET. One moves the crossslide Xaxis and the other moves the Zaxis MPGs are used on computer numerically controlled CNC machine tools, on some microscopes, and on other devices that use precise component positioning. A typical MPG consists of a rotating knob that generates pulses that are sent to an equipment controller. The controller will then move the piece of equipment a predetermined distance for each pulse. Several selector switches control the handwheels output one allows each of the machine's axes X, Y, Z, and so on to be selected in turn; another shifts through several ranges of output, so that one click of the wheel is either one minimum increment, 10 times that, or 100 times that. You can help Wikipedia by expanding it. v t e By using this site, you agree to the Terms of Use and Privacy Policy. On the bench. To save time on the bench the 8114A offers you fast setup and operation, confidence in your results and the ability to automate your tests to improve test coverage in the time available. You get all pulse parameters at a glance, fast store and recall of hundreds of settings on memory card, accurate, repeatable pulses, SCPI programming commands. To protect your device under test, the Agilent 8114A provides adjustable level and duty cycle limits, clean, reliable pulses, inhibit input that allows DUT feedback signal to inhibit pulse output.

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In a Test System To achieve high test throughput, and efficient integration of diverse test instruments and effective generation of test programs, the Agilent 8114A integrates smoothly into automated test systems by ensuring reduced programming investment through SCPI programming commands, easy physical integration into a rack with optional rear panel connectors, reliable, repeatable pulses across a wide temperature range. 2 Clean, Reliable Pulses The Agilent 8114A generates clean pulses with low jitter and excellent pulse performance at all specified settings in any triggering mode and, of course, across the entire operating temperature range. Parameters and trigger modes can be changed without generating unwanted pulses, so that reliable measurements are guaranteed External Synchronization As well as generating continuous streams of pulses, the Agilent 8114A can be triggered or gated by an external signal or the MANUAL trigger key. Combined with the ability to generate double pulses per period and counted bursts you can generate a variety of pulse patterns synchronized to an external signal. Confidence in your results is assured when you can trust your test setup and the Agilent 8114A maintains its pulse performance at all specified pulse amplitudes. Voltage or Current With the Agilent 8114A you can set the pulse levels in terms of

voltage or current, to suit the device you are testing. Load Compensation You can quickly set the pulse levels for your device, even when its not a true 50 W load. Set the expected load impedance at the output and the Agilent 8114A adjusts its signal accordingly to achieve the required levels as shown on the display or programmed via GPIB. Device Protection To reduce the risk of accidental damage to the device under test the Agilent 8114A has adjustable voltage, current and duty cycle limits. As long as the limits are enabled you cannot set or program the output signal outside your chosen limits.

The Agilent 8114A inhibit input accepts a TTL feedback signal from your test system or device under test to inhibit the pulse signal under hardware control. Reduced Programming All parameters of the Agilent 8114A are programmable via GPIB. SCPI Standard Commands for Programmable Instruments facilitates the standardization of test programs and offers a common programming syntax with other instruments. The local userinterface eases the transition from manual to automated test by displaying the SCPI command syntax for each parameter as part of the onscreen help information. Easy Rack Integration Optional rear panel connectors and rack mount kits make it easy to install the Agilent 8114A in a rackbased system. Conformance to the latest European EMC standards minimizes radiated and conducted electromagnetic interference with the test system. Reliable measurements are guaranteed over the whole temperature range that exists in a test rack. 2 3 Specifications Specifications describe the instruments warranted performance. Nonwarranted values are described as typical. All specifications are valid from 0 C to 55 C ambient temperature. 8114A Specifications Timing Characteristics Measured at 50% amplitude at fastest transitions in continuous mode and 50 W source impedance. Burst Count 2 to single or double pulses. Double Pulse Two pulses are generated per pulse period. The first pulse starts at the start of the period, the doubledelay sets the delay to the start of the second pulse. Double pulses are available in all trigger modes except External Width. Delay Delay, phase or % of period. Double pulse delay Double pulse and delay are mutually exclusive. The delay between double pulses can be set as delay or % of period minimum period 134 ns Duty cycle Set between 0.1% and 100% subject to width limits and period specifications. Figure 1 shows the specified operating range for actual duty cycle and amplitude.

Note that in double pulse mode the actual duty cycle is twice the displayed value. External triggered Each active input transition rising, falling or both generates a single or double pulse or burst. External gated The active input level high or low enables pulses, double pulses or bursts. External width The pulse shape can be recovered, whilst period and width of an external input signal are maintained. Levels and transitions can be set. Manual Simulates an external input signal. External input Used for trigger, gate or external width. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many selfhelp tools are available. Your Advantage Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extracost upgrades, outofwarranty repairs, and onsite education and training, as well as design, system integration, project management, and other professional services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

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