

# Principle of the 34980a Spectrometer



## Overview

With 19 different plug-in modules in low frequency, RF and microwave switching to 20GHz, digital I/O, D/A converters, and counter/totalizer functionality, the 34980A has the core switch/measure functionality needed for most automated test and data acquisition applications. The 34980A helps you lower your test cost and accelerate your test-system integration and development. Suppose you use automated test equipment for design validation or. No part of this manual may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior agreement and written consent from Agilent Technologies, Inc. 5 GHz. This application note will describe differences and advantages of the new 34980A as compared to the 3499A/B/C.

## Principle of the 34980a Spectrometer



Use the 34980A to individually route signals or monitor multiple signals over a specified period of time — monitor a single channel or multiple channels, set alarms, and identify irregularities. The 34980A ...



This User's Guide provides information for Multifunction Switch/Measure Unit 34980A. Learn about the features, capabilities, and operation of this high-performance data acquisition system.



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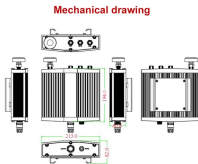
Choose between different switch types and topologies with frequency ranges from DC to 26.5 GHz. The 34980A offers high-density multiplexers for scanning multiple channels, matrices for connecting ...



New 34980A functions include a FET multiplexer switch module, a counter/timer and digital I/O with pattern generator/detector along with digital I/O and D/A converters.



The 34980A mainframe, including the optional internal DMM, is designed to operate in a temperature range of 0 °C to +55 °C with non-condensing humidity. The maximum humidity is 80% at 40 °C or ...



The 34980A allows you to combine a DMM (either internal or external) with multiplexer channels to create a scan. During a scan, the instrument connects the internal DMM to the configured multiplexer ...



Discover the detailed advantages of upgrading your test system using the 34980A in this document. One of the advantages of the new 34980A is its ability to make highly accurate test system measurements.



Scan When you press Scan, the 34980A controls all the relays required to make a series of sequential measurements, even across multiple channels with unlike measurement functions. Scan takes the ...



The 34980A handles system switching up to 26.5 GHz and provides basic measurements and system control. It also offers DMM measurements, counter/ totalizer functionality, digital I/O with ...

## Contact Us

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