

KEYSIGHT TECHNOLOGIES (AGILENT HP)

3589A

The Keysight (Agilent/HP) 3589A is a high-performance spectrum and network analyzer operating in the 10 Hz to 150 MHz frequency range. By combining advanced digital signal processing with traditional swept techniques, it provides high resolution, speed, and accuracy for surveillance, communications, audio/video component testing, and semiconductor analysis.

SPECIFICATIONS

Frequency Specifications

Frequency Range (Spectrum Mode)	10 Hz to 150 MHz
Frequency Range (Network Mode)	10 Hz to 150 MHz
Frequency Resolution	0.0045 Hz (using narrow band zoom)

Network Measurement (Source & Receiver)

Source Frequency Range	10 Hz to 150 MHz
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System Inputs & Outputs

RF Input Connectors	Type-N (female)
Source Output Connector	Type-N (female)

User Interface & Measurement Features

Disk Drive Storage Type	3.5-inch flexible disk (LIF or MS-DOS formats)
Command Language	SCPI (Standard Commands for Programmable Instruments)

Options & Accessories

High-Stability Oven Timebase Option	Option 1D5
75 Ohm Input/Source Option	Option 1D6
HP Instrument BASIC Option	Option 1C2
PC Keyboard Interface (Option 1F0)	DIN-5 connector (front panel) for XT/AT-compatible keyboard

TECHNOLOGY

Superheterodyne with Digital Signal Processing (DSP)

APPLICATIONS

Surveillance, Commercial Communications testing, Aerospace Electronics, Audio/Video component testing, Semiconductor analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.