

KEYSIGHT TECHNOLOGIES (AGILENT HP)

3577B

The Keysight (Agilent/HP) 3577B is a high-performance vector network analyzer operating in the 5 Hz to 200 MHz frequency range. Designed for high-accuracy RF and analog measurements, it features 100 dB of dynamic range per input receiver, enabling detailed characterization of magnitude, phase, SWR, group delay, and gain compression. Supported by a flexible, menu-driven user interface and advanced digital display features, the 3577B supports optional integrated HP Instrument BASIC and high-stability timebases for comprehensive system automation and lab-grade accuracy.

SPECIFICATIONS

General

Interfaces	HP-IB
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Physical

Operating Temperature	0 to +55 °C °C
Dimensions (W×H×D)	425.5 mm × 222 mm × 558 mm mm
Weight	31 kg kg

Source (Stimulus) Specifications

Frequency Range	5 Hz to 200 MHz
Frequency Resolution	0.001 Hz
Output Power Range	+15 dBm to -49 dBm
Output Power Resolution	0.1 dB
Output Sweep Capabilities	Frequency and amplitude sweep

Receiver Specifications

Receiver Resolution Bandwidth (RBW)	1 Hz, 10 Hz, 100 Hz, 1 kHz
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Hardware Options and Accessories

Option 001	High stability frequency reference
Option 907	Front handle kit
Option 908	Rack mounting kit

TECHNOLOGY

Vector Network Analysis

APPLICATIONS

RF component characterization, impedance measurement, and network 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.