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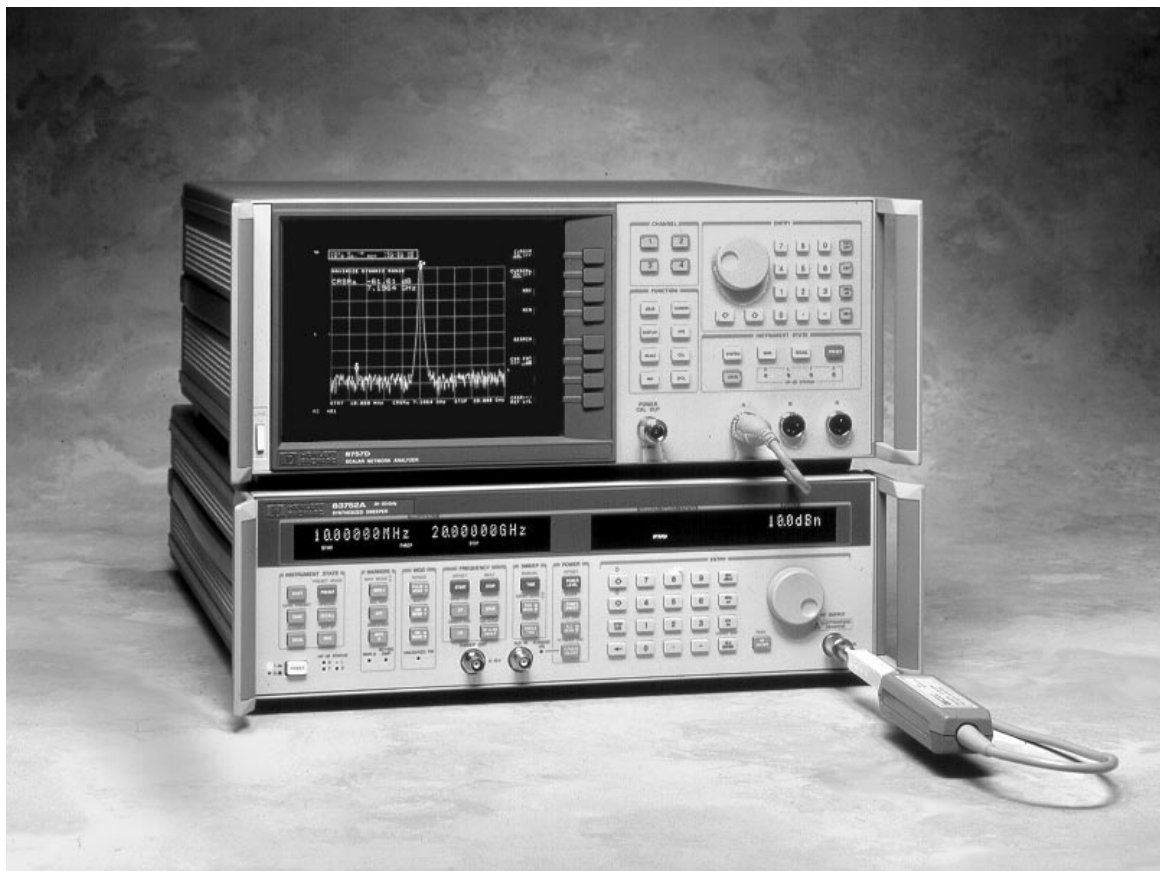
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Agilent Technologies

Innovating the HP Way

Better performance at an attractive price



HP 8757XC Synthesized Scalar Analyzer System

- Synthesized frequency accuracy
- 0.01 to 20 GHz frequency range
- 1 Hz frequency resolution (CW)
- Harmonics less than -45 dBc
- Output power greater than +10 dBm
- System dynamic range up to 76 dB

The HP 8757XC provides excellent performance . . . at a surprisingly low price

The HP 8757XC is a specially priced, versatile and accurate scalar measurement system. It couples the frequency accuracy of the new HP 83752A synthesized sweeper with the power meter accuracy of the new HP 8757D scalar analyzer to give you excellent performance at a low cost.

The improved swept-frequency accuracy of the HP 83752A sweeper (typically 100 kHz versus 15 MHz for analog sweepers) is crucial for the characterization of very narrow-band devices, such as crystal or surface acoustic wave (SAW) filters.

The high output power (typically > 13 dBm) and improved power flatness (typically ± 0.4 dB) allow accurate measurement of amplifier gain, gain flatness and output power. You can simplify amplifier compression testing by using the 25 dB power sweep range.

In addition, the HP 83752A offers user flatness correction, which extends the power accuracy and flatness of the source to a remote test port. This overcomes power variations created between the source and device under test.

If precise power measurements are required, add the internal calibrator (Option 002) to the HP 8757D scalar analyzer and use the HP 85037A precision detectors to make fast swept-power measurements with near power meter accuracy.

Use two synchronously tracking HP 83752A sweepers to easily characterize mixers with near CW precision. The excellent frequency accuracy of the HP 83752A allows mixer designers to precisely control fixed or swept IF frequencies at the mixer output.

Mixer test systems can improve overall measurement accuracy by square-wave modulating only the RF signal. Only the modulated portion of the resulting IF is detected, so errors from unmodulated signals such as LO feedthrough are eliminated.

The HP 83752A synthesized sweeper provides the square-wave modulated RF for use with the AC detection mode of the analyzer. AC detection reduces the effects of broadband noise, thermal drift and other unmodulated signals that can degrade performance.

A separate source also gives you the flexibility of using a full featured synthesized source in other applications.

System configuration and available options.

HP 8757XC Synthesized Scalar Analyzer System

Includes:	HP 8757D Scalar Network Analyzer HP 83752A Synthesized Sweeper HP 85022A Cable Kit
Options:	001 Adds fourth detector input to analyzer 002 Adds 50 MHz calibrator to analyzer 1E1 Adds 70 dB step attenuator to source 1E5 Adds high stability timebase to source 1E9 Adds Type N connector to source 57E Substitutes HP 8757E analyzer 51A Substitutes HP 83751A source (2-20 GHz) 51B Substitutes HP 83751 B source (2-20 GHz high-power) 52B Substitutes HP 83752B source (0.01-20 GHz high-power)

For more information, call your local HP sales office listed in your telephone directory.

Ordering Information

The HP 8757XC system includes a synthesized source and scalar analyzer. All directional bridges, detectors, calibration kits, cables and other accessories must be ordered separately. Order from the list shown for lower-level product options or analyzer and source substitutions. No other options are available. See literature for the HP 8757D and HP 8370 series for detailed specifications.

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