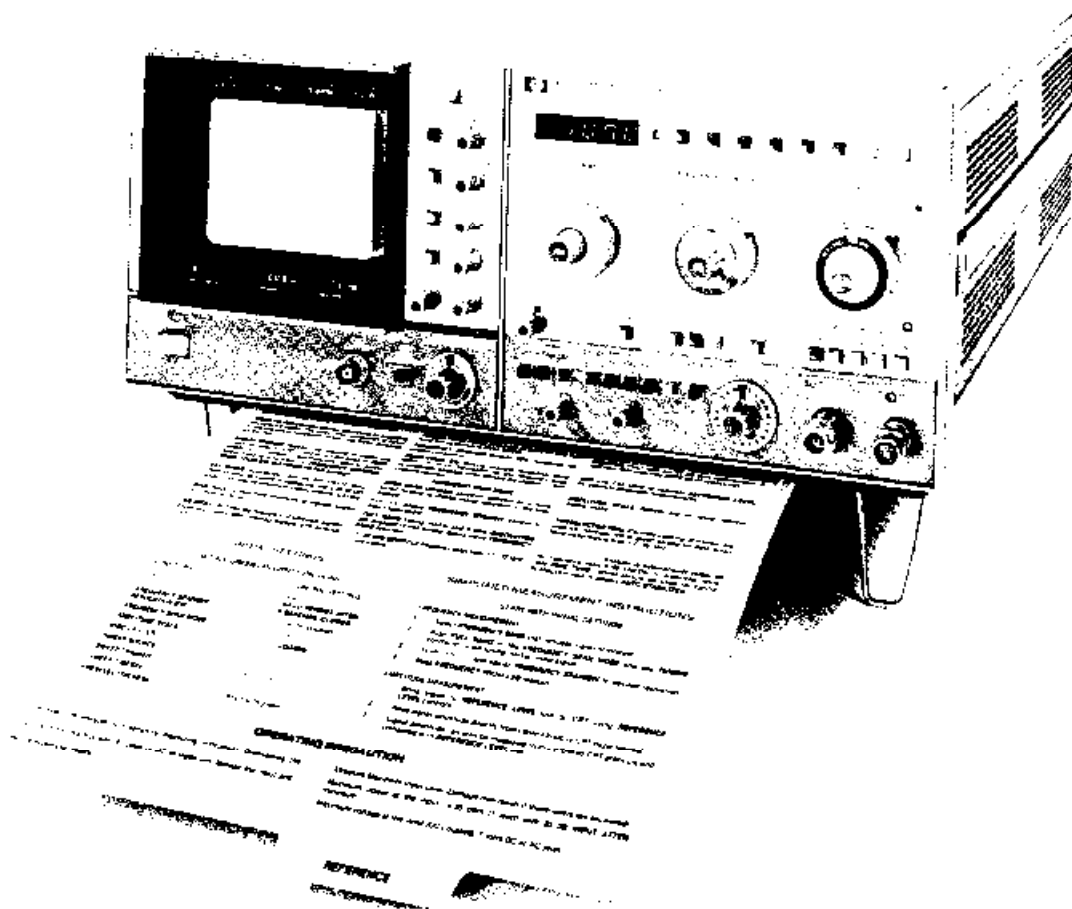


BASIC DESCRIPTION

The HP 8565A is a high-performance spectrum analyzer designed for ease of use. Most measurements can be made with just three controls once the green Normal Settings are preset. The HP 8565A has absolute amplitude and frequency calibration from 0.01 to 22 GHz. The frequency span, bandwidth, and video filter are all coupled with automatic sweep to maintain a calibrated display and simplify use of the analyzer. Internal preselection eliminates most spurious responses to simplify signal identification. The preselector also extends the dynamic range of the analyzer as well as provides some protection for the input mixer. All major spectrum analyzer settings are displayed on the CRT bezel readout. The frequency range of the HP 8565A is 10 MHz to 22 GHz in direct coaxial input and 14.5 to 40 GHz when used with the HP 11517A External Mixer.



To aid in familiarization of the front panel controls, a fold-out illustration of the HP 8565A is included on page 24. Also any reference to the front panel controls are made in CAPITAL LETTERS.