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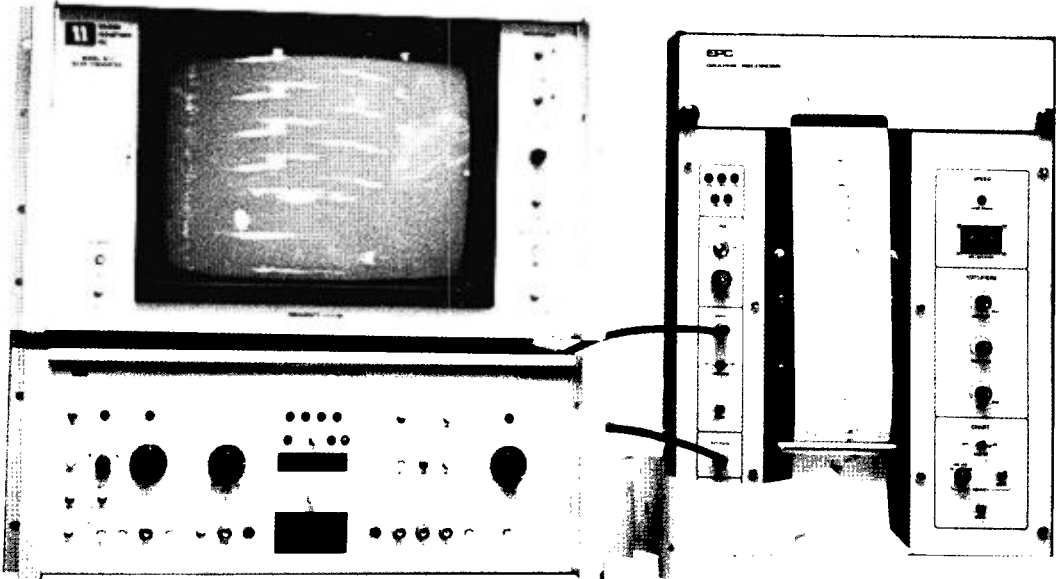
MODEL BC-1

WATERFALL SONOGRAM FREQUENCY

ANALYSIS SYSTEM

P. O. Box 9999 • Mt. Vernon, NY 10551 • 914/699-7545

SC-/101 SONOGRAM DISPLAY



4512/101 SPECTRUM ANALYZER

RC-1 RECORDER

Model BC-1 is an integrated, high speed frequency analysis system which provides a real time image of the sonogram as it unfolds from a tape or a live signal and a hard copy record from a high speed recorder. The system is capable of displaying sonograms of fast moving signals on a 12 inch diagonal screen with a time resolution of up to 8 milliseconds and a frequency resolution of 128 spectral lines in a three dimensional "B" scan display of frequency vs. time vs. amplitude (16 shades of grey). A hard copy recorder provides a continuous record of the sonogram without interruption of the tape with a maximum time resolution of 10 milliseconds and a corresponding frequency resolution of 128 frequency lines. In addition the recorder can be used in the 512 frequency line resolution mode of the analyzer with a maximum time resolution of 40 milliseconds.

The hardcopy sonogram is produced on a 3½ inch wide paper with an instantly appearing black on white image. Paper speeds vary from 200 to 75 lines per inch, with the actual sweep speed per line settable at 10, 20, 50 and 100 ms for 128 spectral lines, and 40, 80, 200, and 400 ms for 512 spectral lines. Single sweep "A" scan spectral analysis can be viewed at the same time on a separate scope. Digital output is available simultaneously. All the standard features of the model 4512/101 analyzer are available. The optional band zoom frequency translator can be used for resolution magnification as well as extending the frequency capability of the system to 512 kHz.

Normal configuration of the BC-1 system is a model 4512/101 spectrum analyzer with a model SC-1/101 scan converter display and a model RC-1 hard copy recorder. The signal or tape is previewed with the 12 inch diagonal display of the SC-1/101, and if hard copy is desired then the RC-1 recorder is used.

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INFORMATION FOR CONTRIBUTORS. Instructions on the preparation and submission of articles and other material for this journal are given in this issue, pages 92-93. Contributors are urged to follow these instructions and the niceties of the journal's style. Doing so will hasten publication, save money and effort, and gratify the editorial staff.

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