



BELAR

"When accuracy counts, count on Belar."

BELAR CSA-1 2 MHz FFT SPECTRUM ANALYZER



DESCRIPTION

The Belar CSA-1 is a versatile FFT Spectrum Analyzer which may be used for AM, FM and TV applications as well as just audio. Equipped with 2 MHz RF/IF, 150 kHz composite, 24 kHz L/R analog and 24 kHz L/R digital audio inputs, the CSA-1 can be used to view the real time spectrum of a wide variety of input signals. The CSA-1's 256 x 64 vacuum fluorescent display provides clear high contrast images with several vertical and horizontal axis controls, allowing for quick and easy adjustments to the unit's amplitude and frequency scales. An on-screen cursor function allows direct reading of any frequency and amplitude displayed at 0.1 dB resolution. All these features combined make the CSA-1 a compact, inexpensive and full featured FFT spectrum analyzer that will provide many useful measurements for the broadcaster, audio engineer, and recording engineer.

FEATURES

- Vertical Axis - Amplitude
 - 120 dB dynamic range (Adjustable)
 - Amplitude resolution to 0.1 dB
 - Linear (percent) and dB scales
 - Infinite peak hold, peak hold, average display modes or real time
 - Display sum and/or difference of L/R analog or digital inputs
- Horizontal Axis - Frequency
 - Frequency resolution adjustable over a wide range
 - 2 MHz input: 10 kHz - 100 Hz
 - 1 MHz input: 5 kHz - 50 Hz
 - 150 kHz input: 500 Hz - 10 Hz
 - 24 kHz input: 250 Hz - 1 Hz
 - Cursor display of frequency and amplitudes to 0.1 dB
 - Offset frequency function allows narrowband spectrum analysis over the entire input bandwidth
 - Split screen for simultaneous display of two channels
- Misc.
 - User selectable FFT window function
 - Display storage and user defined spectral masks for checking compliance

SPECIFICATIONS

Inputs

- 2 MHz analog RF/IF 0.15 to 2.0 Vrms
100k, unbalanced, BNC
- 150 kHz analog composite 0.35 to 3.5 Vrms
100k, unbalanced, BNC
- 24 kHz analog L and R inputs 0.15 to 5.0 Vrms
-14 dBu to +16 dBu
100k, unbalanced, BNC
600 ohm , balanced, XLR.
- AES/EBU(rate convertor 10-56 kHz) XLR
- S/PDIF(rate converter 10-56 kHz) RCA

Outputs

- RS-232 port. 9 pin D connector.
With supplied Windows software allows remote display, printing, and storage of spectrums.

Dimensions: 2 EIA Rack Unit

Power Requirements: 30 Watts, 100-240V, 50/60 Hz

Shipping Weight: 12 lbs

[FFT Primer in Adobe Acrobat PDF format](#)