



CBS LABORATORIES TECHNICAL BULLETIN



CBS LABORATORIES
STAMFORD, CONNECTICUT
A DIVISION OF COLUMBIA
BROADCASTING SYSTEM, INC.

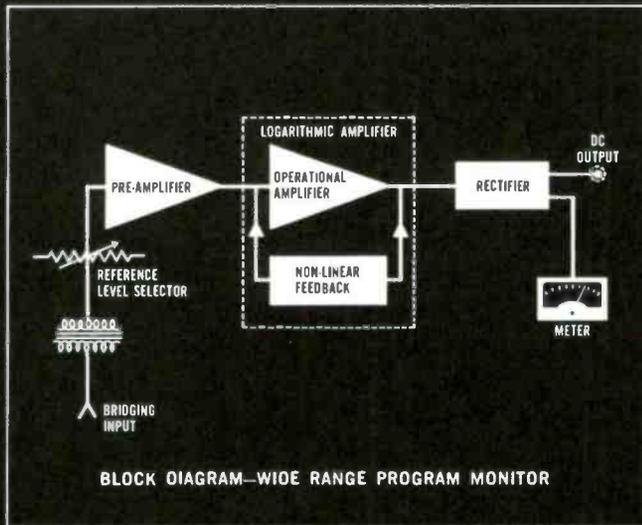
INTRODUCING THE NEW MODEL 600 WIDE RANGE PROGRAM MONITOR



The Wide Range Program Monitor combines the latest developments in audio technology with the reliability of solid-state design. It provides the user with a never-before-available professional tool for audio measurement and analysis.

- Single Linear Decibel Scale
- Measures Program, Noise, Crosstalk
- Rack Mounted—Also Portable
- Full 60 db-Wide Range
- All Solid-State
- Isolated DC Output

MODEL 600 WIDE RANGE PROGRAM MONITOR



Specifications

Reference Deflection (0 db)	Adjustable from +18 to -22 dbm
Internal Noise Level	At least 15 db below the -57 db reading
Total Measurable Range	-79 to +21 dbm
Scale	Linear 60 db-wide scale from -57 to +3 db
DC Output	Linear volts/db output is 6 volts maximum at 5500 ohms impedance. Calibrated to provide remote monitoring
Frequency Range	50 to 15,000 cps
Linearity	± 1 db
Input Impedance	15,000 ohms, bridging, balanced or unbalanced
Maximum Operating Temperature	55°C
Dimensions	In enclosure: 19" wide, 7" high, 10" deep Out of enclosure: 9" wide, 5" high, 10" deep
Power Requirements	12 watts, 115/230 volts AC
Shipping Weight	With enclosure: 14 lbs. Without enclosure: 9 lbs.

The Model 600 Wide Range Program Monitor is a unique new professional instrument that for the first time allows the measurement of program audio, noise, and crosstalk on a single 60 db-wide scale. Unlike the standard Volume Indicator which measures only the top 23 db of signal level, the new Program Monitor displays information from +3 to -57 db on a single linear decibel scale. The 0 db reference settings are adjustable from +18 to -22 dbm. This new instrument, designed specifically for professional use, allows the accurate reading of low level audio material as well as line noise measurements during program pauses. In addition, it is equipped with a separate DC output for graphic logging or remote metering.

Although the Wide Range Program Monitor is not intended as a replacement for the standard Volume Indicator, the meter ballistics are such that its readings are compatible with VU indications. This feature makes the new instrument a practical studio monitor as well as a valuable measuring tool.

For the accurate logging of program levels over the full 60 db range, the Monitor is equipped with a DC output designed to feed inexpensive linear-deflection chart recorders. This output also may be used to drive a second meter if remote monitoring is desired.

The Model 600 is available with a standard 19-inch mounting enclosure from which it can be easily removed for portable use. It is also available without the enclosure.

For further information, please call or write the Professional Products Department—

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