You get all these features ONLY in the Western Electric 5A Monitor

for FM Broadcasting



Accuracy-better than ± 500 cycles. (± 200 cycles if occasionally adjusted to agree with

a primary standard)
Meter Range— = 3,000 cycles Terminals for connecting remote meter



MODULATION PERCENTAGE MONITOR:

Accuracy—better than 5% for all readings Modulation Range Capability—up to 133% (± 100 kc) Terminals for connecting remote meter



QUALITY DESIGN AND MANUFACTURE:

Designed by Bell Tele-phone Laboratories. Built by Western Electric, to Western Electric standards of quality.



PROGRAM MONITORING CIRCUIT:

Output suitable for either aural program monitoring or FM noise and distortion measurements Frequency Response— ± 0.25 db, 30 to 30,000 cycles, without de-emphasis, with de-emphasis, response is within = 0.5 db of the standard 75 microsecond de-emphasis curve Audio Output Power—output level adjustable up to + 12 dbm-permits direct switching of program monitor from transmitter input to 5A Monitor output

Harmonic Distortion - less than 1/4 of 1% from 30 to

Output Noise-at least 75 db below signal at 100% modulation



MODULATION PEAK INDICATOR:

Indication Lamp — flashes when a selected level of modulation is exceeded Peak Limit Range-continnouslyadjustable between 40% and 140% modulation



AM NOISE DETECTOR:

An exclusive feature in the 5A Monitor. The output of this detector-which may be read directly on an electronic voltmeter or noise meter - is automatically referred to 100% amplitude modulation. thus simplifying measurement of transmitter AM noise.

B-40

The 5A Monitor includes numerous other valuable features such as: dual thermostats and dual heaters for each crystal-means for checking the inherent noise level of the monitor from its input to output terminals—requires only a low RF input level (1 wait) which can vary from 0.3 to 3.0 watts; i. e., a 10 to 1 variation without affecting the performance of the monitor. To get the complete story on this outstanding monitor value, call your Graybar Broadcast Representative or mail the coupon below.

Graybar Electric Company

POWER SUPPLY: Newly designed 20C Rectifier (furnished as a part of the 5A Monitor) provides electronically regulated d-c with less than 1 millivolt ripple from 105-125 volts a-c 60 cycles. May be remotely located if desired.

Vestern Electric

Distributors: In the U.S. A.—Graybar Electric Company. In Canada and Newfoundland—Northern Electric Company, Ltd.

-QUALITY COUNTS-



Please send me Bulletin T-2437, including curves, schematics and block diagram of the 5A Monitor.	
NAME	
STATION	
ADDRESS	
CITY	STATE

420 Lexington Avenue, New York 17, N. Y.