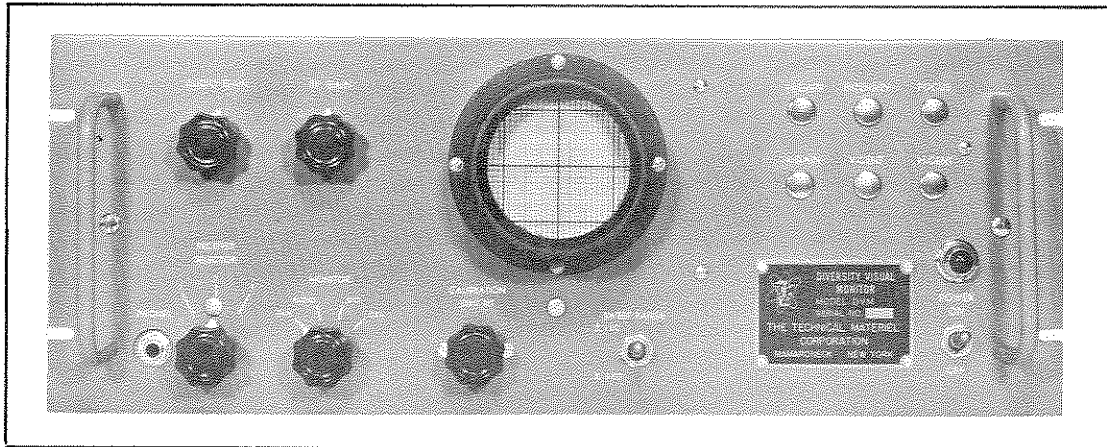


## SALES SERVICE BULLETIN NUMBER 182

Diversity Visual Monitor, Model DVM



Diversity Visual Monitor, Model DVM

The Diversity Visual Monitor Unit, Model DVM is designed to permit accurate and simple receiver tuning on any type incoming signal. The Model DVM provides extremely accurate visual tuning to the center frequency of an incoming signal carrier. This accuracy is accomplished by a calibrated 3 inch oscilloscope screen, which presents a positive picture of the signals reflected in the IF sections of the Diversity Receivers. Front panel selection switches provide monitoring facilities for three receivers and four functions of the Model DVM.

A stable 455 kc crystal is used as a standard reference and permits accurate calibration of the oscilloscope face. The presence of an IF signal and its relation to the IF center frequency is presented on the screen. Any incorrectly tuned signal can be quickly recognized and immediately corrected to proper frequency. The unit acts to sweep the IF frequency spectrum continuously. Sweep ranges of  $\pm 1$  Kc and  $\pm 5$  Kc may be selected by a front panel switch.

### TECHNICAL SPECIFICATIONS

INPUT:	455 kc from three diversity receivers (minimum .2 volts.)
OUTPUT:	Visual indication on screen.
POWER REQUIREMENTS:	110/220 volts; 50/60 cycles.
POWER CONSUMPTION:	90 Watts.
FUSE PROTECTION:	2 amps.
OPERATIONS:	4 Monitor operations: PAN, BFO, AUDIO, and CAL.

TUBE COMPLEMENT:

V-1 6AG5 455 Kc Crystal Osc.  
V-2 6AG5 455 Kc IF Amplifier  
V-3 6AT6 Detector-Audio Amplifier  
V-4 6BE6 Mixer  
V-5 6AG5 100 kc IF Amplifier  
V-6 6AL5 Rectifier-Clamper  
V-7 12AU7 Amplifier-Cathode Follower  
V-8 6J6 Sweep Oscillator  
V-9 12AU7 Reactance Tube  
V-10 884 Sawtooth Generator  
V-11 12AX7 Horizontal Deflection Amplifier  
V-12 12AX7 Vertical Deflection Amplifier  
V-13 3BP1 Visual Monitor  
V-14 5Y3GT Positive Supply Rectifier  
V-15 6X4 Negative Supply Rectifier  
V-16 OB2 Voltage Regulator  
V-17 OB2 Voltage Regulator  
V-18 6X4 Voltage Doubler Rectifier  
V-19 6X4 Voltage Doubler Rectifier

DIMENSIONS AND WEIGHT:

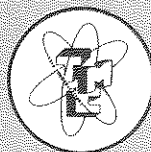
19'' wd x 7'' high x 14'' deep 30 lbs.

THE TECHNICAL MATERIEL CORPORATION

700 FENIMORE ROAD

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