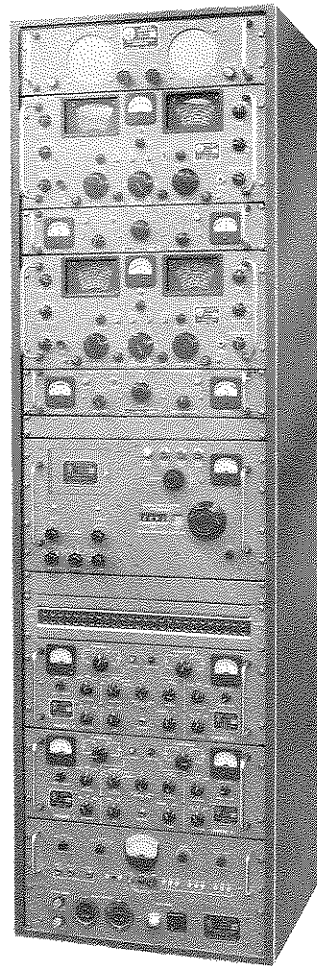


## TECHNICAL BULLETIN NUMBER 3007

General Purpose Communication Receivers

TMC Models DDR-8



Model DDR-8

The Technical Materiel Corporation's Models DDR-8 are diversity receiving systems that combine the high qualities of Model GPR-92 double conversion super heterodyne receivers and various signal processing devices to provide SSB, ISB (up to 15 kc bandpass), AM, AM equivalent, FSK, FAX, CW and MCW modes of operation. Frequency coverage of .54 to 32.3 mcs in six bands and front panel control of IF bandpass of 15 kc to 0.5 kc provide optimum bandwidth and low noise reception.

These receiving systems are available in many different configurations to meet your most exacting communication requirements. We welcome your inquiries.

ISSUED FEB. 1964

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## General Purpose Communication Receivers

### TECHNICAL SPECIFICATIONS, TMC MODELS DDR-8

FREQUENCY RANGE:	.54 to 32.3 mcs continuous tuning, 6 bands.
MODES OF RECEPTION:	SSB, AM, compatible AM, CW, MCW. ISB, FAX and FSK reception with appropriate external adaptors.
NOISE FIGURE AND SENSITIVITY:	6 db or better from 2-30 mcs. 1 microvolt input signal will provide better than 15 db signal + noise to noise ratio.
TUNING:	Calibrated main tuning dial plus auxiliary dial with full electrical bandspread.
AGC CHARACTERISTICS:	80 db rise in input signal from 1 microvolt will produce less than 2 db change in audio output.  SSB 3 millisecond attack 1.2 second decay  AM .9 millisecond attack .33 second decay
SQUELCH:	Continuously variable distortion-free squelch circuit with rear apron contacts for external monitoring of receive signal activity.
AUDIO RESPONSE:	100 to 8000 cycles, $\pm 1.5$ db.
PRIMARY POWER:	115/230 volts AC, single phase, 50/60 cycles; power consumption approximately 1100 watts for average configuration.
ENVIRONMENTAL CONDITIONS:	Designed to operate in any ambient temperature of 0° C to 50° C and any value of humidity up to 90%.
INSTALLATION DATA:	Weight: Approximately 795 lbs. Size: 72" h $\times$ 20 $\frac{5}{8}$ " w $\times$ 22 $\frac{1}{2}$ " d.
COMPONENTS AND CONSTRUCTION:	All equipment manufactured in accordance with JAN/MIL specifications wherever practicable.

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## THE TECHNICAL MATERIEL CORPORATION

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