

# INSTRUCTIONS FOR USE OF TYPE 558 AMATEUR BAND FREQUENCY METER

This instrument is designed primarily for use in the amateur frequency bands, in connection with either a transmitter or receiver. Since it is an instrument capable of higher precision than is usual for this class of apparatus, it should be handled with the care due such instruments.

The resonance indicator is of the neon type, and the calibration curves are correct only when this indicator is in place. The frequency meter may be used to indicate resonance either by the maximum brilliancy of the lamp, or by the reaction of the plate milliammeter in low powered transmitters or receivers. When the lamp is used, the maximum brilliancy should be kept as low as convenient, in order to assure long life. This implies weak coupling between the frequency meter and the source under measurement, which is essential for obtaining the greatest accuracy.

When the 30,000 or 60,000 kilocycle coils are used, particular care should be taken to insert the coil studs snugly into the binding post up to the shoulder. The inductance of these coils is very low, and if the studs are only part way in the binding posts, the frequency meter will read too high.

If carefully handled, and used in accordance with these instructions, this frequency meter is accurate to within one quarter of one per cent.

**GENERAL RADIO COMPANY**  
**CAMBRIDGE, MASSACHUSETTS, U.S.A.**