

INSTRUCTIONS FOR USE OF
TYPE 558-P 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.

Where the transmitter is fitted with a grid or plate milliammeter, the reaction of the frequency meter, as it is tuned to resonance, may be noted by the "kick" of the meter pointer. The coupling between the frequency meter and the transmitter should be reduced to the point where the "kick" is just discernible. Where a monitor oscillator (or heterodyne receiver) is available, it is recommended that the monitor be set so that a beat is obtained between the monitor and the transmitter whose frequency is to be measured. The frequency of the beat note will shift abruptly at the resonance setting of the frequency meter. The coupling should be reduced to the point where the shift in beat tone is just discernible.

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 low.

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

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