

Marconi

PORTABLE RADIO EQUIPMENT

Type CS-11 and CS-11A

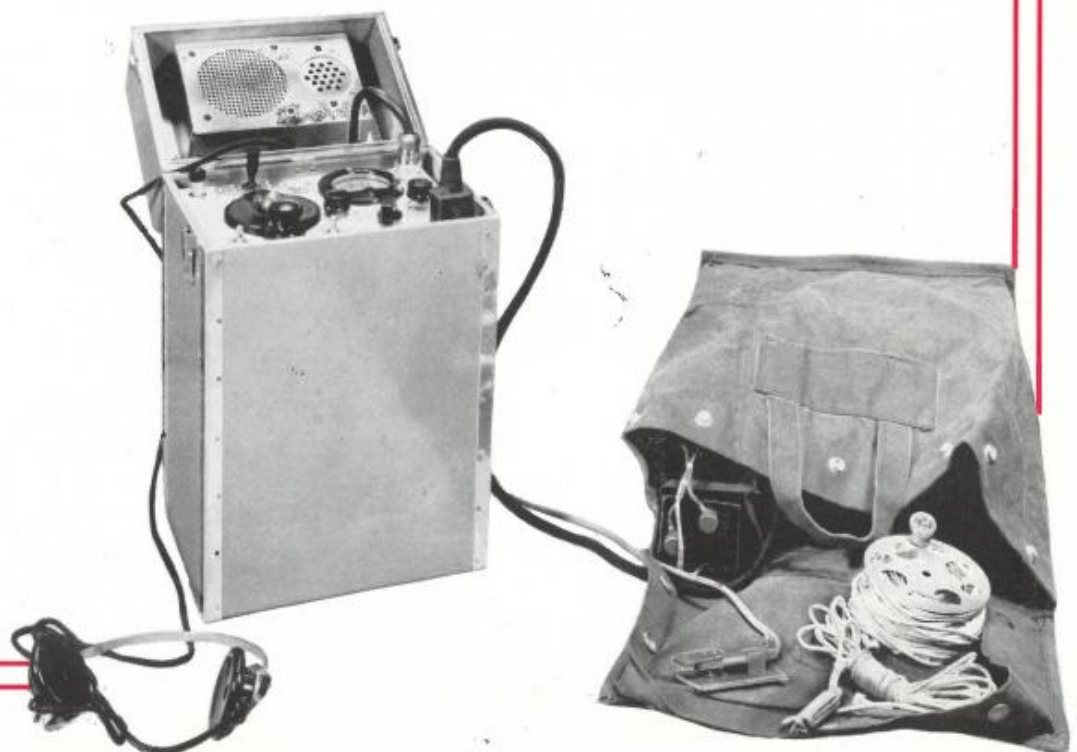
THE CS-11, CS-11A portable station combines both transmitter and receiver for voice and code. Complete with batteries, antenna, key and carrying case it weighs only 20 pounds.

Even greater battery life has been achieved with this new model of the portable unit which has established an enviable reputation for performance with foresters, surveyors, lumber operators and prospectors. The same rugged construction, simplicity of operation and light weight that were characteristic of the type PF1 have been retained but the circuits have been revised to make use of the latest type low drain tubes with the result that battery life is increased fifty percent.

A new type heavy duty battery box is now available. This provides a convenient means for carrying a set of large batteries for semi permanent installations or for long trips.

The range of operation between two of these units will depend on the frequency used and the nature of the terrain but is conservatively estimated at 3 to 10 miles. Consistent operation with a base station at ranges of up to 35 miles are frequently reported. Considerably greater ranges, when using telegraphy, have been recorded.

This unit is now made in two types to cover a wide range of frequencies.



RADIO
M3216
3055
D1930

Specifications

MARCONI PORTABLE RADIO EQUIPMENT

Type CS-11 and CS-11A

TRANSMITTER

Single channel, crystal controlled, telegraph and telephone transmitter having a power output of 2.7 watts. Class B modulation is employed and the microphone is permanently mounted in the lid.

FREQUENCY RANGE

CS11—1.5 to 3 m.c.

CS11A—3 to 6 m.c.

RECEIVER

Five tube, tunable, superheterodyne receiver, with beat oscillator for code reception. Filament voltage is controlled by a ballast tube. Built in loudspeaker. Featherweight headphones.

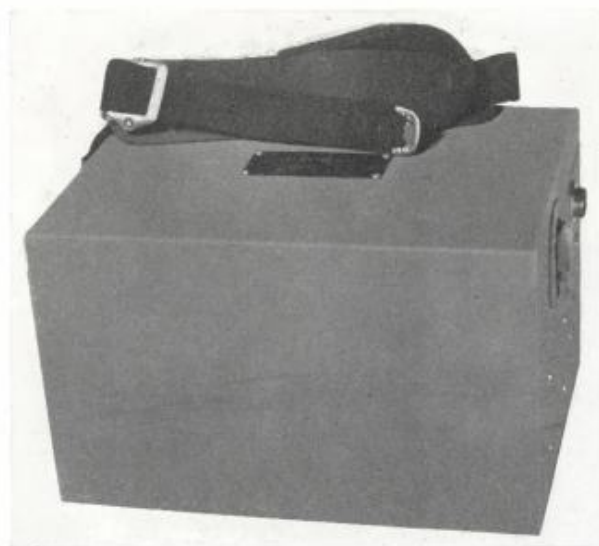
PANEL CONTROLS

Receiver tuning dial, volume control, BFO switch, speaker-phone switch, send-recv switch, transmitter filament rheostat, antenna tuning control, battery connector socket, volt-milliammeter and meter switch. Microphone and loudspeaker mounted in the hinged lid.

ANTENNAE

A pre cut, end fed antenna is supplied with the portable equipment. This is wound on a reel and is complete with insulators and cord.

For semi permanent installations, a half wave dipole antenna, cut to specified frequency, with single wire feedet, is supplied with the heavy duty battery box. This type requires two poles for erection but will give greater range. Insulators and 75 feet of hoisting cord are included.



CANADIAN MARCONI COMPANY

Established 1903

MARCONI BUILDING - MONTREAL

Vancouver Winnipeg Toronto Halifax St. John's, Nfld.

THE apparatus described in this catalogue is licensed for certain specific uses. Information concerning the license will be furnished upon request and receipt of particulars regarding the nature of the service required. 12-45/R8-47

BATTERIES

Portable—1 General No. P 96AA (3 V.)
1 General No. P2KX (144 V.)
(both with socket connectors).

Heavy Duty—4 No. 6 dry cells. 4
Eveready 762 or Burgess 5308.

BATTERY DRAIN

Transmitter "A" .73 amp. at 3 volts.
"B" .05 amp. at 180 volts
Receiver "A" .23 amp. at 3 volts
"B" .016 amp. at 180 volts

BATTERY LIFE

Portable batteries—approx. 11 hours continuous service.

Heavy duty batteries—approx. 80 hours continuous service. (5 min. transmit and 5 min. receive alternately).

TUBES

Receiver:—2—1P5GT, 1—1A7G, 1—1G4GT,
1—1H5GT, 1—1Q5GT.

Transmitter:—2—1J6G, 1—1H4G, 1—1F5G.

DIMENSIONS

Radiophone unit—14½" x 8¾" x 6".

Battery Box (No. 122-952)—12" x 9" x 8".

WEIGHT

Radiophone unit, complete with batteries and antenna, in canvas carrying case—20 lbs.
Battery box, complete with batteries—35 lbs.

The Greatest Name in Radio

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A
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