

"His Master's Voice"

THE GRAMOPHONE COMPANY LTD., HEAD OFFICE: HAYES, MIDDLESEX.



By appointment to H.M. The King
Suppliers of gramophones, records,
radio and television apparatus

IN YOUR REPLY
PLEASE REFER TO

S14/2022/H

NOTE. Kindly address all
communications to the Com-
pany and not to individuals.



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Telephone:
SOUTHALL 2468
Ext. 74



By appointment to H.M. Queen Mary
Suppliers of gramophones, records,
radio and television apparatus

DISTRIBUTING ORGANISATION - E.M.I. SALES & SERVICE LTD.

25th July, 1949

Dear Sirs,

RIBBON MICROPHONES - MODELS 2350 & 2351.

The Ribbon Microphone, which has hitherto been supplied exclusively to purchasers of the Portable Recorder 2300, will be released next month for sale as an accessory. This is in response to the considerable demand from the Recording World for this instrument of outstanding performance.

Key characteristics are;-

- SENSITIVITY: -85 db on 1mW/BAR into 20 ohms.
- FREQUENCY RESPONSE: Uniform within 2 db between 30 and 10,000 cps.
- TRANSFORMER: For feeding into 20 ohm balanced or unbalanced input system.

Two models will be offered - identical, except for mounting and price. MODEL 2350 will be supplied mounted on a heavy chrome table stand (detachable), and MODEL 2351 without stand, but with suspension hooks, making it equally adaptable for suspension or mounting on boom or similar stands.

P.T.O.

Complementary equipment will consist of:-

- ° Protective Metal Cover for microphone.
- ° 30 feet of screened twin conductor lead (enabling connection to a balanced or unbalanced input system).
- ° Specially designed ebonised carrying box with clasps and strap, thus furnishing a convenient means for transporting the instrument.

(Note: "Telephone" type plug can be supplied upon request at an extra charge of 2/3d per plug net.)

PRICE: (RETAIL) (complete as above described).

MODEL 2350 - £18.18.0. plus carrying box £2.2.0.

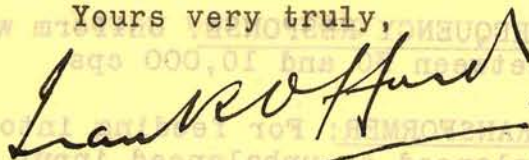
MODEL 2351 - £16.16.0. plus carrying box £1.17.6.

DEALER DISCOUNT 25%

The attached leaflet describing MODEL 2350 will provide technical data.

Deliveries are expected to commence in the course of next month, and we shall be glad to receive your early orders.

Yours very truly,



F.L.V. OFFORD.

Manager.

Domestic Recording Equipment
Division.

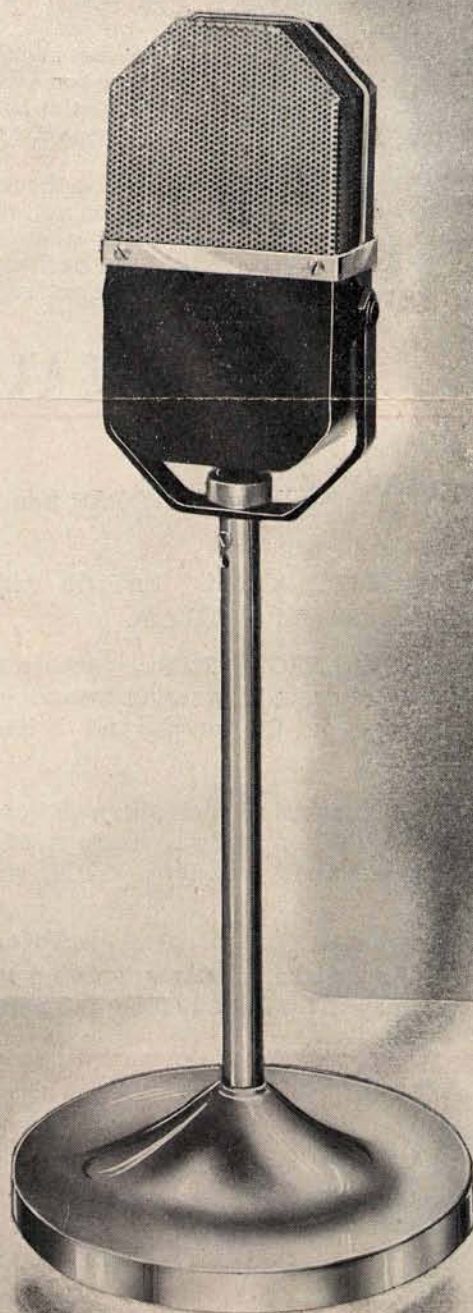
FO/PM.

The H·M·V

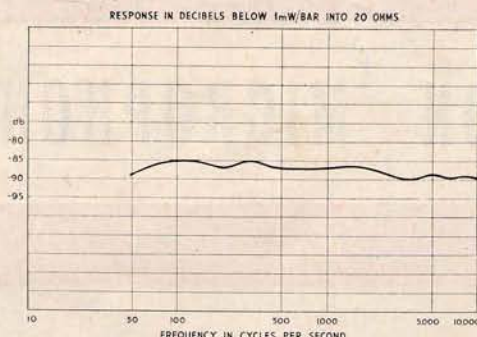
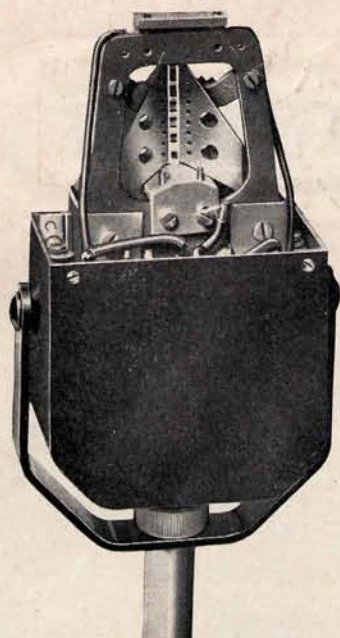
RIBBON MICROPHONE

MODEL 2350 H

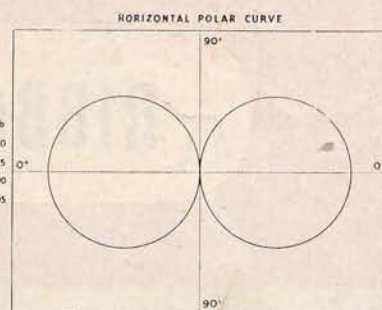
This high quality ribbon microphone is of the velocity type giving a uniform frequency response from 30-10,000 cps. within ± 2 db. It is suitable for all purposes where fidelity recording or reproduction is required. The heavy base makes the instrument suitable for table use, the head being pivoted to allow for individual adjustment. The microphone is removable from the base should it be desired to use a stand mounting.



H.M.V. RIBBON MICROPHONE, MODEL 2350 H



The frequency response of the H.M.V. ribbon microphone is shown above and is seen to be substantially uniform over the range 30-10,000 cps.



The approximate horizontal polar curve at all frequencies for the H.M.V. ribbon microphone is drawn above. The vertical curve, due to the specially shaped ribbon used, is similar.

The directional properties of this microphone approach the normal cosine law at all frequencies taken about axes along the length and breadth of the ribbon. This makes it especially suitable for speech or orchestral recording, giving an increased ratio of direct to reverberant sound in a "live" room or studio with a reduction of side noise.

TECHNICAL SPECIFICATION

- **SENSITIVITY.** -85 db on 1mW/BAR into 20 ohms.
- **FREQUENCY RESPONSE.** Uniform within ± 2 db between 30 and 10,000 cps.
- **DIRECTIONAL PROPERTIES.** Closely follows the normal cosine law at all frequencies for axes taken about the length and breadth of the ribbon.
- **RIBBON.** Corrugated Aluminium ribbon of very light weight for smooth frequency response. Dimensions: 1 in. long 0.1 in. wide

and 1/30,000 in. thick. The ribbon is suitably protected by the cover against normal indoor draughts.

- **TRANSFORMER.** For feeding into 20 ohm. lines.

- **CONSTRUCTION.** Heavy, detachable base stand for table use; the microphone head being pivoted to allow for individual adjustment. The whole is finished in chromium plate.

Price on Application

As we are constantly striving to improve our products, equipment supplied may differ slightly from the illustrations and descriptions given in this leaflet.



THE GRAMOPHONE COMPANY, LTD.
(Domestic Recording Equipment Division)
DISTRIBUTING ORGANISATION — E.M.I. SALES & SERVICE LTD.
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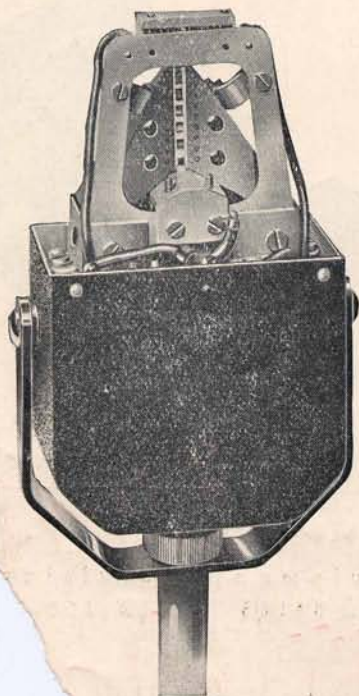
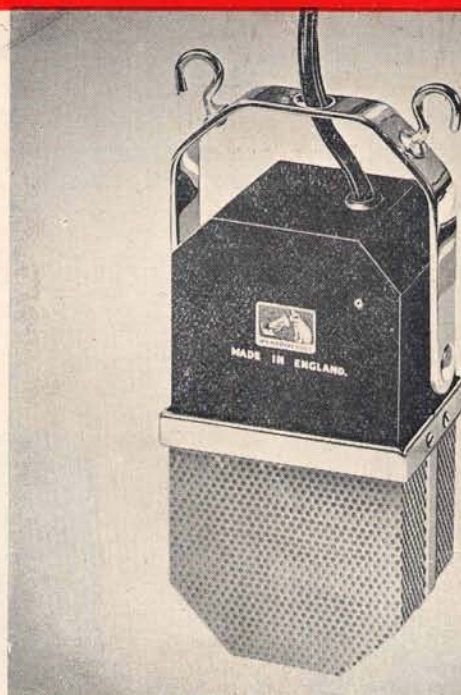
The H.M.V.

RIBBON MICROPHONES TYPES 2350H/2351H

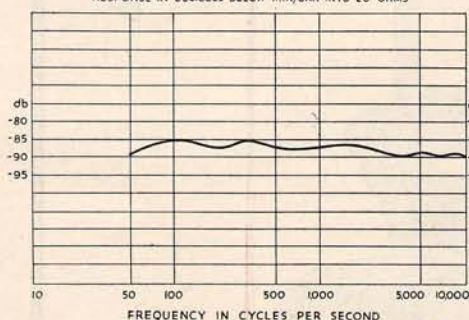
The H.M.V. Ribbon Microphone is a precision instrument designed to exacting professional standards. For recording or sound reproduction it is capable of faithfully and naturally translating the complex sound waves of a full orchestra, speech or other sounds into equivalent and accurate electrical impulses necessary for high fidelity work.

This microphone will respond perfectly to the softer shades and overtones of instruments and voices and when used under conditions of high sound intensity is particularly free from distortion.

Reference to the specification shows its excellent electrical characteristics.

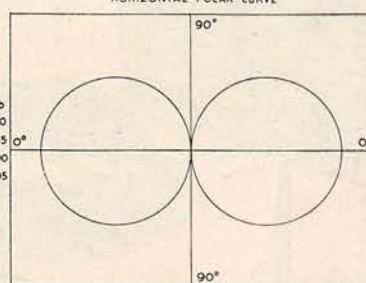


RESPONSE IN DECIBELS BELOW 1mW/BAR INTO 20 OHMS



The frequency response of the H.M.V. ribbon microphone is shown above and is seen to be substantially uniform over the range 50-10,000 cps.

HORIZONTAL POLAR CURVE



The approximate horizontal polar curve at all frequencies for the H.M.V. ribbon microphone is drawn above. The vertical curve, due to the specially shaped ribbon used, is similar.

The directional properties of this microphone approach the normal cosine law at all frequencies taken about axes along the length and breadth of the ribbon. This makes it especially suitable for speech or orchestral recording, giving an increased ratio of direct to reverberant sound in a "live" room or studio with a reduction of side noise.

TECHNICAL SPECIFICATION

- **SENSITIVITY.** —85 db on 1mW/BAR into 20 ohms.
- **FREQUENCY RESPONSE.** Within $\pm 2\frac{1}{2}$ db between 50 and 10,000 cps.
- **RIBBON.** Corrugated Aluminium ribbon of very light weight for smooth frequency response. The ribbon is suitably protected by the cover against normal indoor draughts.
- **DIRECTIONAL PROPERTIES.** Closely follows the normal cosine law at all frequencies for axes taken about the length and breadth of the ribbon.
- **TRANSFORMER.** For feeding into a 20 ohm line balanced or unbalanced. 30 feet of twin screened cable supplied for balanced or unbalanced connections.

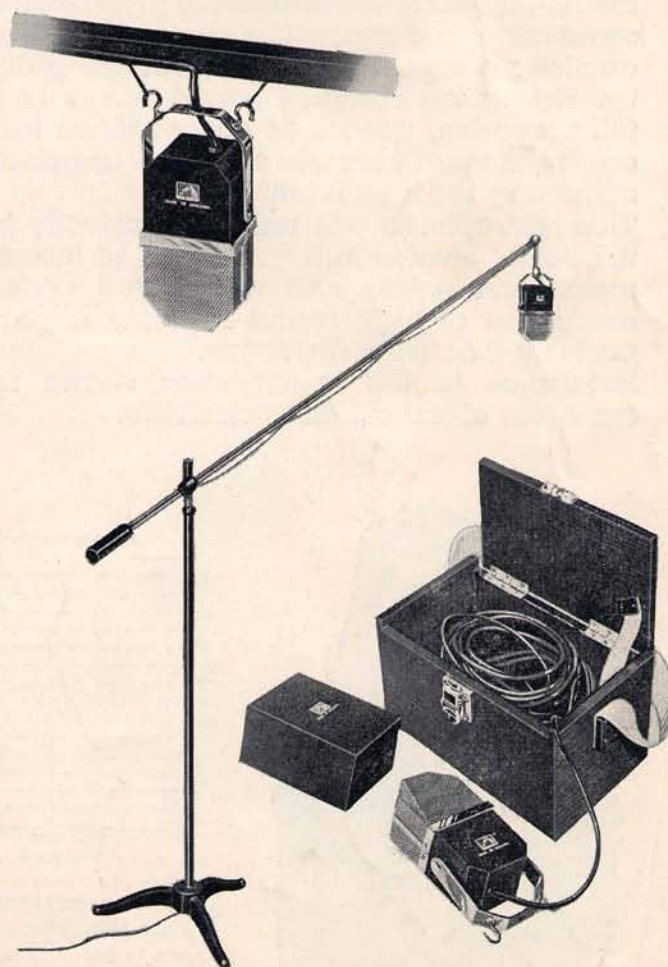
- **CONSTRUCTION.** Type 2350H fitted with a heavy detachable base so that the microphone may be mounted on a floor stand. The microphone is pivoted on the stirrup to allow for adjustment. A special cover is provided to enclose the microphone element and protect it from shock, air-blast, etc., when not in use.

Type 2351H microphone unit only, on which are mounted suspension hooks for boom mounting or ceiling suspension. It may also be used on floor stands or table stands. Also supplied with protective cover.

- **FINISH.** Chrome and fine crackle black.

Price on Application

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