DATA SHEET

No. 183

DATE: May 1939

SUBJECT: Models 5E, 5F, 5G, Dynamic Microphones

NEW SHURE SERIES 5

MOVING-CONDUCTOR TYPE DYNAMIC MICROPHONES

GENERAL: Pressure-operated moving-conductor type dynamic microphones with typical semi-directional pickup. Smooth response due to specially designed moving system and associated acoustic network.

APPLICATIONS: For music and voice reproduction. Suitable for low cost P. A., call systems, amateur phone and similar applications. Rugged and immune to severe temperature and humidity conditions.

INSTALLATION: 5/8"-27 thread for standard desk and floor stand mounting.

CONNECTIONS: Internal high quality transformer included in all models. The output impedances and cables furnished are listed below:

<table>
<thead>
<tr>
<th>Model</th>
<th>Impedance</th>
<th>Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>5E-25FT</td>
<td>30-50 ohms</td>
<td>25 ft., two-conductor</td>
</tr>
<tr>
<td>5F-25FT</td>
<td>200-250 ohms</td>
<td>25 ft., two-conductor</td>
</tr>
<tr>
<td>5G-25FT</td>
<td>High Impedance</td>
<td>25 ft., single-conductor</td>
</tr>
<tr>
<td>5G</td>
<td>High Impedance</td>
<td>7 ft., single-conductor</td>
</tr>
</tbody>
</table>

Low impedance models 5E and 5F are recommended for use with long lines into standard low impedance input amplifiers. Permissible cable length practically unlimited. For amplifiers with high impedance input, Shure Model A86A Cable-Type Transformer is available for coupling low impedance line to amplifier.

High impedance model 5G (5G-25FT) can be used with any crystal microphone amplifier or other amplifier with input impedance of 100,000 ohms or more. Inner conductor of cable connects to grid side of input, "shield" to ground of amplifier. Cable lengths longer than 25 ft. accompanied by some loss of high frequency response.

SPECIFICATIONS

Dimensions: Diameter of case, 2-3/8". Length overall, 2-7/8".

Finish: Satin Chrome


Output Level:
- Models 5E & 5F: 67 db below 6 milliwatts into rated load for 10 bar signal at 400 cycles
- Models 5G & 5G-25FT: 63 db below 1 volt per bar across 100,000 ohms or more, at 400 cycles. (0.7 millivolts per bar).

Recommended Load:
- Model 5E: 35-50 ohms
- Model 5F: 200-250 ohms
- Model 5G: 100,000 ohms or more

PRECAUTIONS: No special precautions beyond ordinary care necessary. To retain full strength of permanent magnet and maintain alignment of structure, dropping or other severe mechanical shocks should be avoided. Care should be taken that the cable does not parallel A.C. power lines for long distances.

GUARANTEE: Each microphone is guaranteed to be free from electrical and mechanical defects for a period of one year from date of shipment from the factory, provided all instructions are complied with fully. In case of damage return microphone to factory for repairs. Our guarantee is voided if microphone case is opened.

Shure patents pending.

Copyright 1939 Shure Brothers

Printed in U.S.A.