

GRAMPIAN SOUND EQUIPMENT

DP4 MICROPHONE

DYNAMIC MICROPHONE TYPE DP4

The Grampian DP4 dynamic microphone meets the requirements of Public Address, Wire, Tape and Disc Recording, Call Systems and Communication equipment.

The microphone is slender and unobtrusive in appearance, and the light weight, a little under $\frac{1}{2}$ lb., makes it ideal for use in the hand.

It can also be used as a stand microphone by means of a swivel holder. Although firmly held the microphone can be readily lifted out of the holder when required.

The microphone unit is fitted in an alloy case finished in black enamel with a chromium plated bezel ring and the metal diaphragm is protected by a perforated steel plate.

The lead is readily detachable and a ribbed anti-roll ring is provided to prevent mishaps when the microphone is laid down on a smooth surface.

This high output pressure type dynamic microphone has a uniform, wide range frequency response which extends from 50 c/s to 15,000 c/s, and therefore reaches the high performance level of all Grampian equipment.

The microphone is available in four types

DP4/L	— Low impedance	-	-	25 ohms
DP4/X	— LM impedance	-	-	200 ohms
DP4/M	— Medium impedance	-	-	600 ohms
DP4/H	— High impedance	-	-	50000 ohms

Since first introduced, this microphone has by performance alone, achieved World-wide acclaim and is regularly used by Broadcasting and Television Authorities, the G.P.O., The Services, Recording Companies, Film Studios and by many thousands of Tape Recordists both professional and amateur.

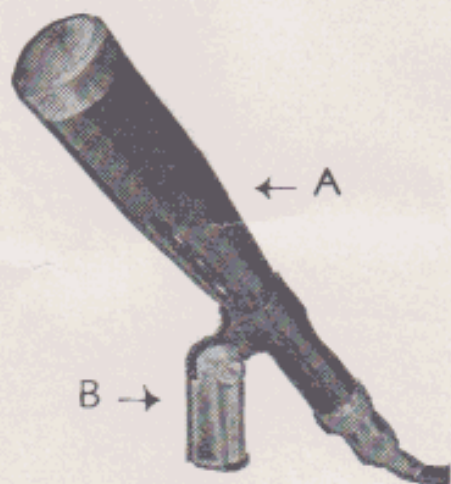
It has become the Microphone by which the others are judged.



ADAPTABILITY OF THE DP4 MICROPHONE

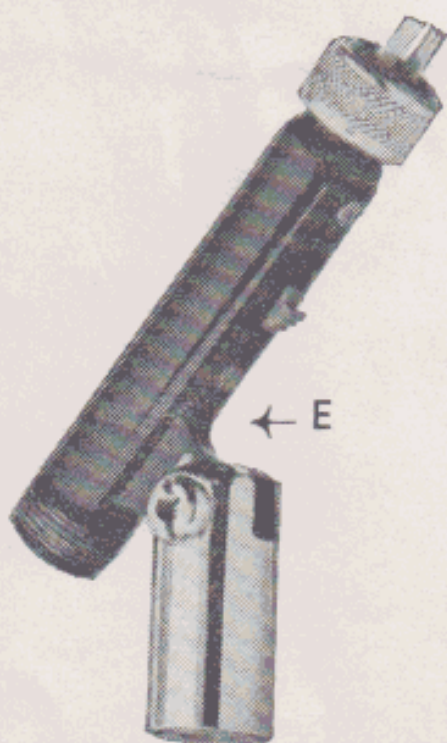
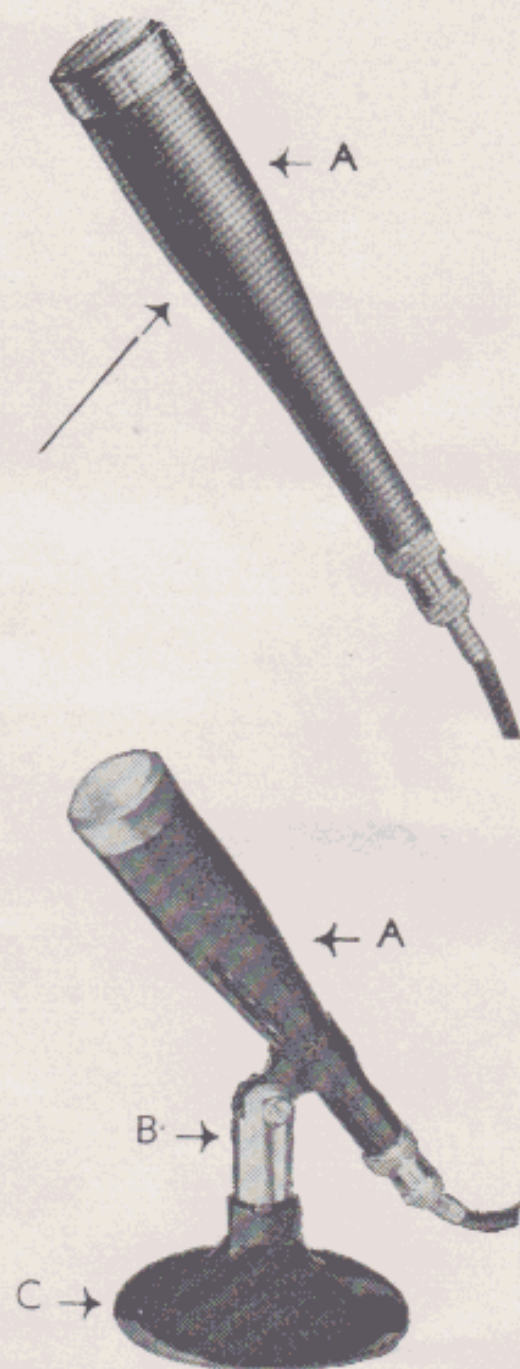
The basic microphone **A** which can be used as a hand microphone.

Also made with "press to speak" button built in where indicated by arrow. Order as type DP4/|SS.*



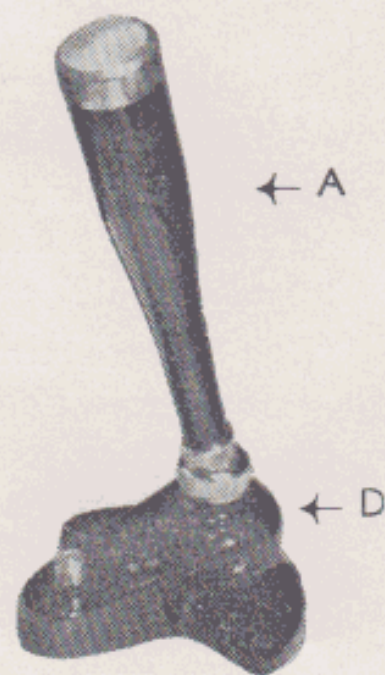
It can be readily placed in the swivel holder **B** which is internally threaded $\frac{5}{8}$ " x 27 TPI and is supplied with adaptor to $\frac{5}{16}$ " B.S.F. for fitting to adjustable floor or table stands.

The same swivel holder can be used with a small circular base **C** for desk or table use.



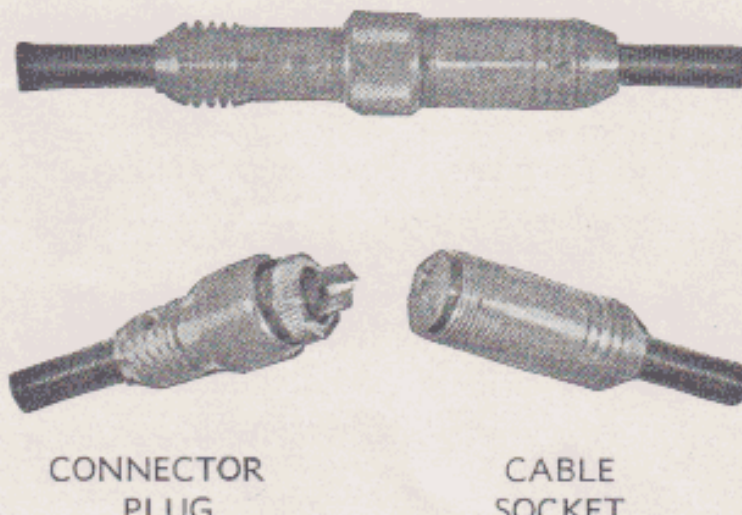
For use on a stand when an on/off switch is necessary, a switch assembly **E** is available. The basic microphone fits to the top of this and the lead is connected to the bottom of the assembly.

A desk base **D** is also available with either a "press to speak" button (type DPB) or an on/off switch (type DSB).



A further advantage of the DP/4 microphone is the facility for exchanging long or short leads as required.

Extension leads having the standard DP/4 connector plug at one end and a mating cable socket at the other end can be used when it is desired to further extend the length of the lead.

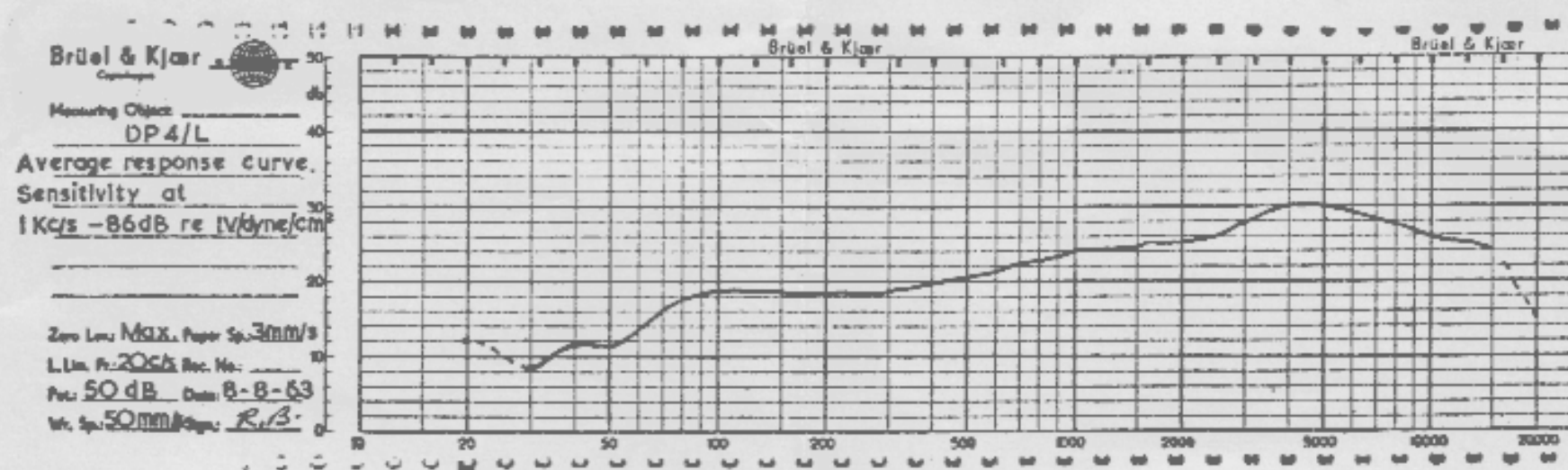


CONNECTOR
PLUG

CABLE
SOCKET

TECHNICAL DATA

Frequency Response	...	...	50 c/s to 15,000 c/s.
Output levels:			
DP4/L	...	..	25 ohms - 86 db below 1 volt/dyne/cm ² .
DP4/X	...	...	200 ohms - 75 db below 1 volt/dyne/cm ² .
DP4/M	...	...	600 ohms - 70 db below 1 volt/dyne/cm ² .
DP4/H	...	...	50,000 ohms - 52 db below 1 volt/dyne/cm ² .
Weight of hand microphone	...		7 $\frac{3}{4}$ ozs. .219 Kg.
Length of hand microphone	...		8 $\frac{1}{4}$ " . 21 cm.
Diameter overall	...	...	1 $\frac{5}{16}$ " . 3 cm.
Thread on holder and swivel	...		$\frac{5}{8}$ " 27 T.P.I.
			Supplied with adaptor $\frac{5}{16}$ " B.S.F.
Finish	...	...	Black and chrome.



TYPES

STANDARD MICROPHONES. (A).

DP4/L	25 ohms microphone complete with connector and 18' screened lead
DP4/X	200 ohms microphone complete with connector and 18' screened lead
DP4/M	600 ohms microphone complete with connector and 18' screened lead
DP4/H	50,000 ohms microphone complete with connector and 18' screened lead

MICROPHONES WITH "PRESS-TO-SPEAK" BUTTON.

DP4/L/SS	25 ohms microphone complete with connector and 18' screened lead
DP4/X/SS	200 ohms microphone complete with connector and 18' screened lead
DP4/M/SS	600 ohms microphone complete with connector and 18' screened lead
DP4/H/SS	50,000 ohms microphone complete with connector and 18' screened lead

MICROPHONES ON DESK BASE WITH EITHER "PRESS-TO-SPEAK" BUTTON or "ON/OFF" SWITCH. (D).

DP4/L/DPB	25 ohms microphone with press button	..	..	..
DP4/L/DSB	25 ohms microphone with on/off switch	..	..	..

(X, M and H types extra)

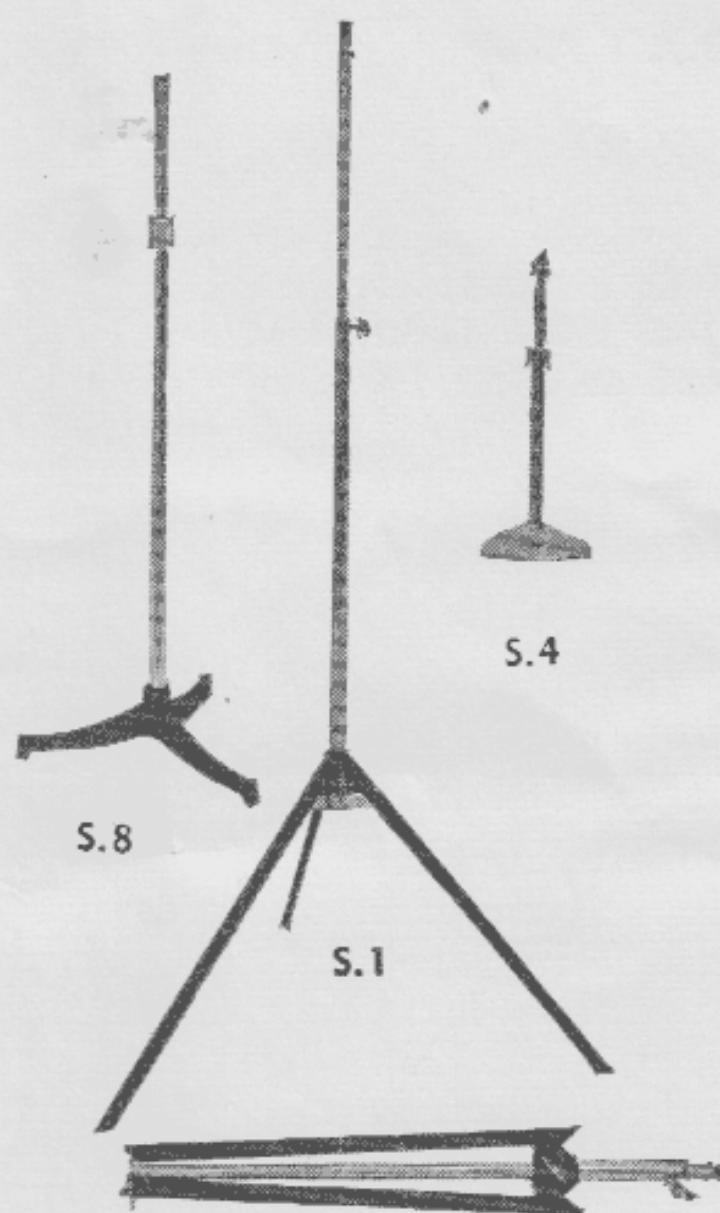
ACCESSORIES

Swivel holder, adaptor for fitting to floor or table stand.	(B)	...
Circular table base for use with swivel holder.	(C)	..
On/Off switch assembly (fitting between mic. and lead).	(E)	..
Connector plug only	..	..
Connector with 9' screened lead	..	..
Connector with 18' screened lead	..	..
Connector with 36' screened lead	..	..
Jack plug fitted to lead	..	extra
Cable socket	..	..
Extension lead, 9' with connector plug and cable socket	..	..
Extension lead, 18' with connector plug and cable socket	..	..
Extension lead, 36' with connector plug and cable socket	..	..
Neck cord with quick release clip	..	..

(Please note—DP4 type connectors and cable sockets are not interchangeable with GR types).

The lead length normally supplied is 18 feet long. Low and medium impedance leads may be of any length but high impedance leads should not exceed 25 feet. If you wish to employ a long microphone line and your equipment has a high impedance input, you should use a low impedance microphone and a G.7 matching unit at the amplifier end. For details of units see back page.

MICROPHONE STANDS



TYPE S.1.

A light-weight folding stand, firm when erected and compact when closed, finished in black crackle paint and chrome plate.

Height erected. Max. 59" (1500 mm.)
 Height erected. Min. 39" (990 mm.)
 Height closed 35" (890 mm.)
 Weight 3½ lbs. (1.6 Kg.)

TYPE S.4.

A high-finish chromium-plated table stand with black base for banquet or similar use.

Height extended 20½" (520 mm.)
 Height closed 12" (304 mm.)
 Base diameter 6" (152 mm.)
 Weight 2 lbs. 14 ozs. (1.3 Kg.)

TYPE S.8.

A heavy-base floor stand, suitable for stage use, etc. Base in black crackle paint, with polished tubes.

Height extended 61" (1549 mm.)
 Height closed 42" (1066 mm.)
 Weight 14½ lbs. (6.5 Kg.)

All stands terminate with a $\frac{5}{16}$ " B.S.F. thread screw.
 (7.93 mm.)

Also available $\frac{1}{2}$ " 26 T.P.I.
 (12.7 x 26 T.P. 25 mm.)

MICROPHONE MATCHING UNITS

SERIES G.7.

A range of microphone transformers or matching units for use with Tape Recorders, Home Cine Sound equipment, Amplifiers, etc. in cases where the impedance of the microphone is different from the input impedance of the main equipment, or when the same microphone is to be used with various amplifiers, recorders or vice versa.

Consisting of a double wound transformer housed in a Mu-metal case, it is provided with a jack socket on the primary side for input and a short screened lead on the output for connecting to the input of the amplifier.

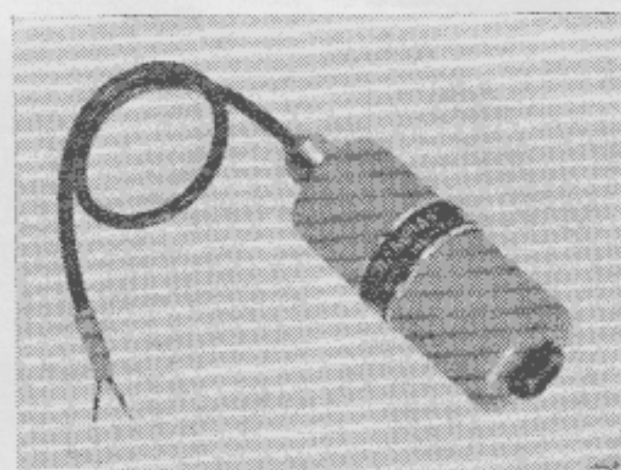
Primary and secondary windings are both arranged for unbalanced connections.

Length 3½" x 1¼" dia. Weight 5½ ozs.
 (92 x 31 mm.) (159 grms.)

SERIES G.16

The G16 series of matching units are similar in general design to the G7 type but are arranged with the primary winding connected to a tip, ring and sleeve jack socket for balanced line working. The secondary winding is connected for unbalanced working.

The "low to high" models type G7/LH and G16/LH are of special advantage in instances where it is required to use a very long microphone lead. They permit the use of a low impedance microphone in conjunction with high impedance input equipment, without the instability and treble loss which occurs if the high impedance leads are extended.



Input	Output	Type
15-30 ohms	High Impedance	G7/LH
15-30 ohms	600 ohms	G7/LM
600 ohms	High Impedance	G7/MH
High Impedance	600 ohms	G7/HM
15-30 ohms	200 ohms	G7/LX
200 ohms	High Impedance	G7/Xh

NOTE High Impedance = 50,000 ohms or greater

Input	Output	Type
15-30 ohms	High Impedance	G16/LH
15-30 ohms	600 ohms	G16/LM
600 ohms	High Impedance	G16/MH
High Impedance	600 ohms	G16/HM
15-30 ohms	200 ohms	G16/LX
200 ohms	High Impedance	G16/XH

NOTE High Impedance = 50,000 ohms or greater

Manufactured by **GRAMPIAN REPRODUCERS LTD.**

HANWORTH TRADING ESTATE, FELTHAM, MIDDLESEX, ENGLAND

Telephone: 01-894 9141/3

Cables: Reamp, Feltham