

AMPLIFIER LSM/2
 Technical Instructions
 Item 3 (LSM/2). July, 1938

Impedances

Input impedance	.. .. .	..	(approx)	4,400	ohms
Output impedance	.. .. .	..	(approx)	6.5	ohms
Normal load impedance (Loudspeaker input)	..	..	(approx)	12	ohms

Transformers

						<i>Impedance</i>	<i>Turns</i>
					<i>Number</i>	<i>Ratio</i>	<i>Ratio</i>
Input	..	..	..	..	54	1/10.9	1/3.31
Interstage	..	..	..	..	221	1/2.4	1/1.55
Output	..	..	..	..	168	510/1	22.6/1

Volume Control

Continuously variable potentiometer of resistance approximately 100,000 ohms.

Supply Data

<i>Stage</i>	<i>Valve</i>	<i>Automatic</i>		<i>Anode Current</i>	<i>Filaments</i>	
		<i>Grid Bias</i>	<i>Volts negative</i>		<i>mA (approx)</i>	<i>Volts</i>	Amps
<i>Amplifier</i>						
1	ACHL	3.1		9	4	1
2	Two PX25	30		50 (each valve)	4	2 (each valve)
			<i>Total</i>	109		5
<i>Rectifier</i>						
	UU 120/500 or UU5				4	2.5
A.C. supply	.. .. .	..	..	..	50 c/s.	230 volts
Current drawn from A.C. mains (approximately)						
Amplifier	.. .. .	..	..	..	0.4	A
Loudspeaker	.. .. .	..	..	..	0.15	A
			<i>Total</i>		0.55	A

Working Voltage Gain

Testing Conditions

Volume Control set for maximum output.

Output loaded with 12 ohms and at a level of approximately + 12 db.

Gain at 1,000 c/s. 30 ± 2 db.