



Kenyon

QUALITY

TRANSFORMERS



LIST PRICE AND INDEX PAGE

Type No.	Page	List Price	Type No.	Page	List Price	Type No.	Page	List Price	Type No.	Page	List Price
AUDIO			AUTO			T-380			T-659		
T-1	4	\$4.50	T-217	8	\$6.50	T-381	8	6.50	T-660	7	38.50
T-2	4	4.50	T-218	8	8.50	T-382	8	7.25	T-661	7	22.00
T-3	4	4.50	T-219	8	11.00	T-383	8	8.00	T-663	7	66.00
T-4	4	4.50	PLATE AND FILAMENT			T-384	8	6.50	T-664	7	8.25
T-5	4	3.50	T-220	8	\$6.00	T-385	8	8.00	T-665	7	22.00
T-6	4 & 9	7.75	T-221	8	25.25	T-386	9	4.50	T-666	7	26.50
T-7	4	3.75	T-222	8	5.25	T-387	8	4.00	T-667	7	33.00
LINE			T-223	8	11.50	T-388	8	2.75	T-668	6	9.75
T-25	4	\$4.50	T-224	8	11.00	T-389	8	7.50	T-669	6	16.00
T-26	4	4.50	T-244	8	11.00	T-390	8	14.00	T-670	6	21.50
T-27	4	5.00	T-245	8	5.00	T-391	8	8.00	T-671	6	21.50
T-28	4	5.50	T-246	8	13.25	T-392	8	4.25	T-672	6	19.75
T-29	4	7.75	T-247	8	11.00	T-393	8	8.00	T-673	7	70.00
AUTO			T-248	8	12.25	MODULATION			PORTABLE BROADCAST		
T-30	4	\$4.50	T-249	8	4.50	T-451	6	\$4.00	P-100	14	\$10.00
T-31	4	6.50	DRIVER			T-452	6	3.25	P-101	14	10.00
T-32	4	8.75	T-251	5	\$3.25	T-453	6	7.00	P-200	14	10.00
INTERSTAGE			T-252	5	2.75	T-454	6	7.00	P-201	14	10.00
T-51	4	\$3.25	T-253	5	3.50	T-455	6	11.00	P-202	14	12.00
T-52	4	3.25	T-254	5	3.50	T-456	6	11.00	P-203	14	16.00
T-53	4	4.00	T-255	5	3.25	T-457	6	11.00	P-300	14	8.00
T-54	4	4.50	T-256	5	3.50	T-458	6	11.00	P-301	14	10.00
T-55	4	4.00	T-257	5	3.50	T-459	6	10.50	P-400	14	10.00
T-56	4	4.00	T-258	5	4.75	T-460	6	12.50	P-401	14	10.00
T-57	4	4.50	T-259	5	5.75	T-461	6	13.25	P-500	14	8.00
T-58	4	4.50	T-260	5	7.00	T-462	6	13.25	P-501	14	8.00
PRE-AMPLIFIER			T-261	4	6.00	T-463	6	38.50	LABORATORY STANDARD		
T-101	5	\$3.25	T-262	4	7.00	T-464	6	24.25	K-100	13	\$20.00
T-102	5	3.25	T-263	4	8.25	T-466	6	13.25	K-200	13	25.00
OUTPUT			T-264	4	6.00	T-467	6	22.00	K-201	13	25.00
T-103	5	\$4.50	T-265	5	7.00	T-468	6	38.50	K-202	13	25.00
T-104	5	4.00	T-266	5	7.00	T-469	6	11.00	K-203	13	18.00
T-105	5	4.50	T-267	5	7.00	T-471	6	4.00	K-204	13	12.00
T-106	5	5.00	T-271	5	4.75	T-472	6	5.00	K-205	13	18.00
T-107	5	4.00	OUTPUT			T-473	6	6.00	K-300	13	22.00
T-108	5	5.50	T-301	5	\$6.00	T-474	6	12.00	K-302	13	22.00
T-109	5	7.75	T-302	5	5.50	T-477	6	11.00	K-304	13	22.00
T-110	5	9.75	T-303	5	5.75	T-478	6	24.00	K-305	13	16.00
FILTER REACTORS			T-304	5	7.00	T-479	6	24.50	K-306	13	18.00
T-151	7	\$5.50	T-305	5	7.00	T-480	6	38.50	K-400	13	18.00
T-152	7	4.00	T-306	5	4.75	T-489	6	4.50	K-401	13	18.00
T-153	7	3.25	T-307	5	13.25	T-490	5	4.00	K-402	13	21.00
T-154	7	3.50	T-317	5	7.00	T-491	5	4.00	K-403	13	21.00
T-155	7	3.25	T-319	5	8.25	T-492	5	4.50	K-404	13	18.00
T-156	7	2.50	FILAMENT			T-493	6	6.50	K-405	13	18.00
T-157	7	2.25	T-351	8	\$3.25	T-494	6	9.75	K-406	13	21.00
T-158	7	3.50	T-352	8	3.50	T-495	6	22.00	K-407	13	21.00
T-159	7	9.75	T-353	8	3.50	T-496	6	33.00	K-408	13	18.00
T-160	7	8.75	T-354	8	3.50	SWINGING REACTORS			K-409	13	18.00
T-161	7	16.50	T-355	9	7.00	T-501	7	\$5.50	K-414	13	25.00
T-164	7	7.75	T-356	9	7.75	T-502	7	9.75	K-415	13	25.00
T-165	7	4.00	T-357	8	6.00	T-505	7	16.50	K-416	13	25.00
T-166	7	7.75	T-358	8	7.00	T-506	7	4.00	K-417	13	25.00
T-167	7	10.25	T-359	8	5.50	T-507	7	7.75	K-418	13	30.00
T-168	7	7.75	T-360	8	5.00	T-508	7	7.75	K-419	13	30.00
T-175	7	5.50	T-361	8	6.50	T-509	7	5.50	"A" LINE		
T-176	7	7.75	T-362	9	9.75	T-510	7	7.75	A-10	23	\$11.00
T-177	7	16.50	T-363	9	8.25	T-511	7	4.00	A-15	23	12.00
T-178	7	11.00	T-364	9	7.00	T-512	7	7.75	A-20	23	11.50
T-179	7	25.00	T-365	8	5.00	T-513	7	11.00	A-21	23	11.50
PLATE AND FILAMENT			T-366	9	7.00	T-514	7	8.75	A-22	23	12.00
T-201	8	\$4.00	T-367	9	8.75	T-515	7	3.50	A-23	23	12.00
T-202	8	4.00	T-368	9	5.50	T-516	7	10.25	A-24	23	12.00
T-205	8	6.50	T-369	9	5.50	T-517	7	3.25	A-30	23	11.00
T-205	8	6.50	T-370	9	7.00	T-521	7	16.50	A-31	23	11.00
T-206	8	8.25	T-371	9	8.75	T-522	7	25.00	A-32	23	12.00
T-212	8	9.25	T-372	9	8.75	PLATE			A-33	23	12.00
T-213	8	11.00	T-373	9	8.75	T-651	7	\$33.00	A-34	23	11.00
T-214	8	9.75	T-374	9	8.75	T-652	7	41.75	A-35	23	11.00
T-215	8	11.00	T-375	9	8.25	T-653	7	35.25	A-36	23	11.00
T-216	8	12.50	T-376	9	6.50	T-654	7	30.25	A-40	23	11.00
			T-377	9	9.75	T-655	7	8.75	A-41	23	11.00
			T-378	8	4.50	T-656	7	12.00	A-42	23	10.00
			T-379	8	3.00	T-657	7	25.25	A-43	23	10.00
						T-658	7	23.00	A-44	23	10.00
									A-50	23	10.00
									A-51	23	10.00

Prices subject to change without notice. All prices effective May 15, 1940.

The "Quality-Built" Transformer

KENYON "T" LINE COMPONENTS



FOR AMATEUR TRANSMITTERS AND SOUND SYSTEMS

Kenyon T line transformers and chokes represent every latest feature in design and high quality construction. They are particularly suitable for all audio and power applications in experimental and commercial equipment, radio amateur transmitters, broadcast stations and sound systems. They will be found extensively employed in equipment of the U. S. Military and Naval

Services as well as other governmental agencies; outstanding exploratory and scientific expeditions; airline and communication systems; police transmitters, facsimile equipment and quality recording devices. Kenyon standardized transformers have met with immediate success among those people who desire the most in quality, appearance and dependable performance.

HIGHEST QUALITY ENGINEERING AND CONSTRUCTION

Only the finest grades of material are used in the manufacture of Kenyon Transformers. No sacrifice of quality ever is tolerated at the expense of a slightly higher cost for a finer material to insure a better finished product. Add to this fundamental policy the long experience, genuine engineering skill and seasoned craftsmanship of our staff and you have the reason for transformers which

meet the most exacting requirements of critical purchasers.

Every Kenyon transformer is checked progressively in its course of manufacture while each unit is laboratory-tested upon completion to insure satisfaction and long life in circuits for which they have been designed.

COMPLETELY SEALED AND SHIELDED

All units are heat-vacuum-varnish treated by special process for a period of 36 hours and hermetically sealed (fully poured) with humidity-proof compound in metal casings for complete protection against moisture, chemical action and adverse atmospheric conditions which commonly are the cause of transformer failure.

Units such as plate and filament transformers which develop heat of their own accord, are

rigidly supported by means of heavy steel brackets to prevent shifting in their cases due to cold flow characteristics of pouring compound.

Special constructions are employed when customers stipulate that our Standard "T" line shall meet the exacting submersion-proof tests required by Governmental agencies. Prices on transformers meeting these requirements quoted on request.

ONE STYLE CASE

Of special interest to manufacturers of high quality equipment who desire uniformity of appearance is the one style case used throughout the line. From the smallest to the largest, all cases are of uniform style in durable, black dull satin finish enamel. Case sizes may be obtained from

the chart on page 4 and chassis may be accurately laid out from the dimensions given. Inasmuch as these figures do not depend on the lamination stack for centering, they are held to 1/64 tolerance permitting the use of accurate mounting holes.

UNIVERSAL MOUNTING FEATURE

Four mounting holes at the top and bottom of the casings provide facilities for universal mounting in either upright or inverted positions. The compact terminal board design permits convenient, concealed wiring to all terminals under chassis when mounted in the inverted position. One hole or rectangular knockout in the chassis the size of the terminal board is all that is required for this purpose.

With the exception of high voltage units which are provided with glazed ceramic

insulator terminals, all units have sturdy, stud-type soldering terminals. The studs are designed to permit both mechanically and electrically perfect connections. Kenyon "T" line transformers have been used by every leading expedition during the past five years or more. Among them, MacGregor Arctic Expedition, Ellsworth Antarctic Expedition, Bowdoin-Kent's Island Expedition, Gatti-African Expedition to Belgian Congo, Pitcairn Island Station—VR6AY, Admiral Byrd at Little America, Snow Cruiser, etc.

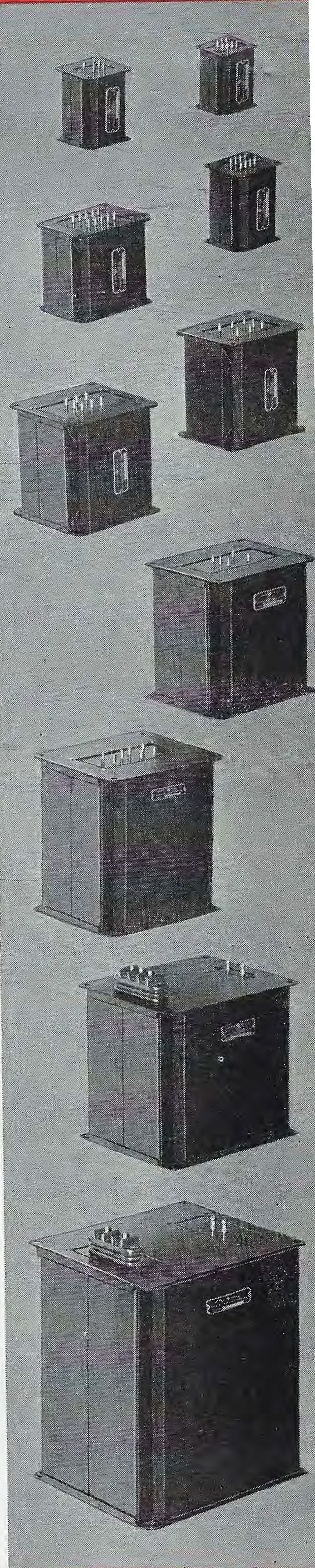
UNITS NOT LISTED IN CATALOG

Due to the wide variety of transformers used in both the Electrical and Radio Industries, it is impossible to show all the various combinations which we make. Quotations on units with specifications other than those indicated will be furnished upon request in quantities from 1 upwards.

Write for a pad of our special "Specification and Quotation Forms." Furnished gratis on request.

PROTECTIVE POLICY FOR MANUFACTURERS

Transformers for manufacturers of highly confidential equipment are given special serial numbers covering the electrical design. Information concerning such transformers is released only to the original purchasers; otherwise the factory's records are held inviolate. This policy protects the research and development which a manufacturer has incorporated in his products and prevents such information reaching competitive sources.



FRY & ROBERTS
Factory Representatives
2412 WEST SEVENTH STREET
LOS ANGELES, CALIF.

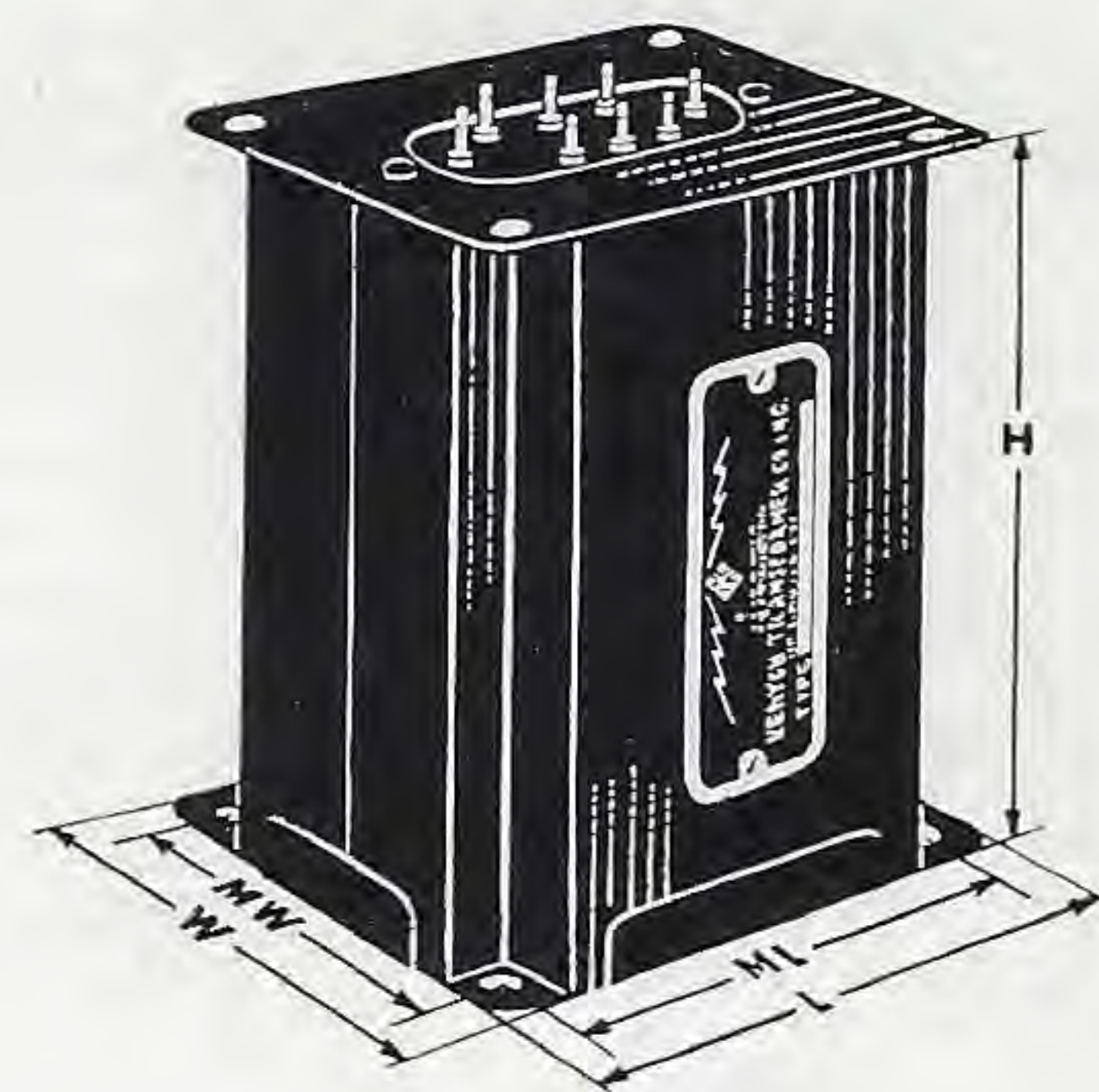
Be Wise --- Kenyonize!!!



KENYON "T" LINE TRANSFORMERS

DIMENSIONS OF "T"-LINE TRANSFORMERS

MOUNTING DIMENSIONS				OVERALL DIMENSIONS	
Case No.	ML	MW	Length (L)	Width (W)	Height (H)
1A	2 $\frac{1}{2}$	1 $\frac{9}{16}$	2 $\frac{7}{8}$	2	2 $\frac{7}{8}$
2A	2 $\frac{1}{8}$	1 $\frac{13}{16}$	2 $\frac{3}{4}$	2 $\frac{3}{8}$	3 $\frac{3}{8}$
3A	2 $\frac{1}{8}$	1 $\frac{15}{16}$	3 $\frac{1}{8}$	2 $\frac{9}{16}$	3 $\frac{5}{8}$
4A	3 $\frac{7}{8}$	2 $\frac{1}{8}$	4 $\frac{1}{2}$	3	3 $\frac{7}{8}$
5A	4 $\frac{1}{8}$	3 $\frac{3}{8}$	5	3 $\frac{7}{8}$	5
5 $\frac{1}{2}$ A	4 $\frac{1}{8}$	3 $\frac{3}{4}$	5	4 $\frac{1}{2}$	5
6A	4 $\frac{1}{8}$	4 $\frac{1}{2}$	5	5 $\frac{1}{8}$	5
7A	5 $\frac{1}{2}$	4 $\frac{5}{8}$	6 $\frac{5}{8}$	5 $\frac{3}{8}$	6 $\frac{3}{8}$
8A	5 $\frac{3}{4}$	4 $\frac{13}{16}$	6 $\frac{9}{16}$	5 $\frac{11}{16}$	7 $\frac{1}{8}$
9A	6 $\frac{1}{8}$	5 $\frac{3}{4}$	7 $\frac{3}{4}$	6 $\frac{5}{8}$	7 $\frac{3}{8}$
10A	8 $\frac{5}{8}$	7 $\frac{3}{4}$	9 $\frac{1}{2}$	8 $\frac{1}{4}$	10 $\frac{5}{8}$



LOW IMPEDANCE SOURCE TO GRID TRANSFORMERS

Type No.		From	Primary Ohms	Secondary Ohms	Case No.	List Price
T-1	(Hum Bucking Type)	S.B. or D.B. Mic.	400-300-200-100-50	80,000 Single Grid	1A	\$4.50
T-2	(Hum Bucking Type)	Any Line	500-333-250-200-125-50	80,000 Single Grid	1A	4.50
T-3	(Hum Bucking Type)	Any Line	500-333-250-200-125-50	80,000 P.P. Grids	1A	4.50
T-4		Plate or D.B. Mic.	400-20,000	160,000 Single Grid	2A	4.50
T-5		S.B. or D.B. Mic.	400 C.T.	140,000 Single Grid	1A	3.50
T-6	(See Bottom Page 9)	Any Line	500-333-250-200-125-50	20,000 Single Grid	1A	7.75
T-7	Ratio 1:100	S.B. Mike	100	P.P. cl. A Grids	1A	3.75

LINE TRANSFORMERS-LINE to LINE and LINE to VOICE COIL

Type No.		Primary Ohms	Secondary Ohms	Maximum Level	Case No.	List Price
T-25		500-200-50	500-200-50	+24 D.B.	2A	4.50
T-26	(Hum Bucking Type)	500-333-250-200-125-50	500-333-250-200-125-50	+24 D.B.	1A	4.50
T-27		500-200	15-8-4	15 watts	3A	5.00
T-28		500-200	15-8-4	30 watts	4A	5.50
T-29		500-200	15-8-4	60 watts	5A	7.75

KEN-O-LINE AUTO TRANSFORMERS

(TO COUPLE ONE TO SIX SPEAKERS TO LINE)

Type No.	Primary Ohms	Secondary Ohms	Maximum Level	Case No.	List Price
T-30	500-1000-1500-2000-2500-3000	.16-.36-.64-1-1.4-2-3.2-4-5-8-10-16	10 watts	2A	4.50
T-31	500-1000-1500-2000-2500-3000	.16-.36-.64-1-1.4-2-3.2-4-5-8-10-16	30 watts	4A	6.50
T-32	500-1000-1500-2000-2500-3000	.16-.36-.64-1-1.4-2-3.2-4-5-8-10-16	60 watts	5A	8.75

INTERSTAGE AUDIO TRANSFORMERS

Type No.	From	To	Ratio	Case No.	List Price
T-51	Single 10,000 Ohm Plate	Single Grid	1:4	1A	\$3.25
T-52	Single 10,000 Ohm Plate	P.P. Grids	1:4	1A	3.25
T-53	Detector or S.B. Mic.	Single Grid		1A	4.00
T-54	P.P. 10,000 Ohm Plates	P.P. Grids	1:1.8	2A	4.50
T-55	Single 10,000 Ohm Plate	Single Grid	1:3	2A	4.00
T-56	Single 10,000 Ohm Plate	P.P. Grids	1:2	2A	4.00
T-57	(Hum Bucking Type) Single 10,000 Ohm Plate	Single Grid	1:2	2A	4.50
T-58	(Hum Bucking Type) Single 10,000 Ohm Plate	P.P. Grids	1:2	2A	4.50

KEN-O-DRIVE UNIVERSAL DRIVER TRANSFORMERS

T-261	500-ohm line to P. P. grids. Level 7 watts Primary and Secondary tapped to drive any Class "B" grids	3A	\$6.00
T-262	500-ohm line to P. P. grids. Level 18 watts Primary and Secondary tapped to drive any Class "B" grids	4A	7.00
T-264	To match a 500-ohm line or any driver plates to any Class "B" grids, maximum driving power, 7 watts	3A	6.00
T-263	To match a 500-ohm line or any driver plates to any Class "B" grids, maximum driving power, 18 watts	4A	8.25

Purchased by the Discriminating on Sheer Merit

KENYON "T" LINE TRANSFORMERS



DRIVER TRANSFORMERS

Type No.	Primary To Match	Class AB or Class B Tubes	Ratio (Pri. to 1/2 Sec.)	Case No.	List Price
T-251	Single 53, 6A6, 6N7, 56, 6C5	53, 6A6, 6N7	2.3:1	2A	3.25
T-252	Single 30, 49, 89	19, 30's, 49's	1.7:1	1A	2.75
T-253	Single 46, 59	46's, 59's, 6F6's	2.3:1	2A	3.50
T-254	Single 45, 2A5, 6F6, 42	45's, 2A5's, 6F6's, 42's	3.0:1	2A	3.50
T-255	P.P. 56, 6C5, 53, 6N7	6L6's	3.2:1	2A	3.25
T-256	P.P. 56, 6C5	45's, 2A3's, 6F6's	3.0:1	2A	3.50
T-257	P.P. 45's	4-46's	3.0:1	2A	3.50
T-258	P.P. 45's	800's	2.2:1	3A	4.75
T-259	P.P. 2A3's	203A's, 838's, 805's	3.1:1	4A	5.75
T-260	4-2A3's	HD203A's, 4-838's	3.1:1	4A	7.00
T-265	4-2A3's	T-814's, 806's, 150T's, HF-200's	1.35:1	4A	7.00
T-266	P.P. 2A3's	50T's, 100TL's, HK-154	1.5:1	4A	7.00
T-267	4-2A3's	354E's, 354F's	2.1:1	4A	7.00
T-271	P.P. 45's, 2A3's, 6F6's	6L6's, 809's, TZ40's	3.7:1	3A	4.75

PREAMPLIFIER OUTPUT TRANSFORMERS

Type No.	From	Secondary Ohms	Case No.	List Price
T-101	Single 56, 76, 6C5	200-500	1A	\$3.25
T-102	P.P. 56, 76, 6C5	200-500	1A	3.25

OUTPUT TRANSFORMERS TO 500-200 or 15-8-4 OHMS

Type No.	From	Primary Ohms	Case No.	List Price
T-103	Class "A", P.P. 45's, 43's	10,000	2A	\$4.50
T-104	Single 2A5, 6F6, 42, 47, 89	7,000	2A	4.00
T-105	Class "A", P.P. 2A5's, 6F6's, 42's, 47's, 89's	14,000	2A	4.50
T-106	Class "A", P.P. 6B5's, 2B6's	10,000	3A	5.00
T-107	Class "A", P.P. 25L6's	2,000	2A	4.00
T-301	Class "A", P.P. 6L6's, Class AB 45's, 2A3's	5,000 or 3,000	4A	6.00
T-302	Class "AB", 6V6's, Class "B" 19, 49's, 53, 6N7, RK-34	10,000	3A	5.50
T-303	Class "AB", 42's, 6F6's, 2A5's, Class "B" 46's, 59's	10,000 or 6,000	4A	5.75
T-304	Class "AB", 4-45's, 4-2A3's	2,500 or 1,500	4A	7.00
T-305	Class "AB" 4-2A5's, 42's, 6F6's, Class "B" 4-46's, 59's	5,000 or 3,000	4A	7.00
T-306	Class "B", P.P. 25L6's	2,000	2A	4.75
T-307	Class "AB2", P.P. R.K.-39's, 807's, 4-6L6's	6,400 or 1,900	6A	13.25
T-317	Class "AB", P.P. 6L6's	6,600 or 3,800	4A	7.00
T-319	Class "AB2", P.P. 6L6's	6,000 or 3,800	5A	8.25

KEN-O-DYNE UNIVERSAL OUTPUT TRANSFORMERS

Type No.		Case No.	List Price
T-108	15 watts	3A	\$5.50
T-109	30 watts	4A	7.75
T-110	60 watts	5A	9.75

Will match any set of Push-Pull or Push-Pull Parallel—or a single plate to 500-200 or speaker voice-coils. Low impedance connection for speaker voice-coils range from .5 to 25 ohms.

GRID MODULATION TRANSFORMERS

Type No.	Application	Case No.	List Price
T-490	Single 2A5, 42, 6F6 to Grids of 203A's, 211's	2A	\$4.00
T-491	Single 45 to Grids of 203A's, 211's	2A	4.00
T-492	P.P. 45's to Grids of 203A's, 211's	3A	4.50

"T" Line Standard Cases Add Eye Appeal



KENYON "T" LINE TRANSFORMERS

MODULATION TRANSFORMERS

Type No.	Primary Ohms	Max. Audio Level	Ohms	Secondary M.A.	Ohms	M.A.	Ohms	M.A.	Case No.	List Price
T-451	10,000	10 watts	5,000	100	3,000	100			2A	\$4.00
T-452	15,000	5 watts	5,000	50	3,000	50			1A	3.25
T-453	5,000	25 watts	5,000	130	3,000	130			4A	7.00
T-454	10,000 or 6,000	30 watts	8,000	75	6,000	100	4,000	140	4A	7.00
T-455	10,000	60 watts	9,000	130	7,000	150	5,000	180	5A	11.00
T-456	2,000	40 watts	9,000	100	7,000	125	5,000	150	5A	11.00
T-457	5,000 or 3,000	60 watts	7,000	120	5,000	160	3,000	220	5A	11.00
T-458	10,000	80 watts	9,000	130	7,000	150	5,000	180	6A	11.00
T-459	3,800	60 watts	7,000	200	5,000	250	2,500	300	5A	10.50
T-460	12,000	100 watts	10,000	150	8,000	175	6,000	200	6A	12.50
T-461	16,000	140 watts	10,000	175	7,000	200	5,000	240	6A	13.25
T-462	7,000	140 watts	8,000	200	6,000	250	4,000	300	6A	13.25
T-463	11,000	500 watts	6,000	400	4,000	500	3,000	570	8A	38.50
T-464	12,000	300 watts	8,000	250	6,000	300	4,000	370	7A	24.25
T-465	(Replaced by T-479)									
T-466	8,400	110 watts	8,000	160	5,000	200	3,000	270	6A	13.25
T-467	7,200	200 watts	6,500	240	4,500	280	3,000	350	7A	22.00
T-468	16,000	400 watts	8,000	300	5,000	375	3,000	500	8A	38.50
T-469	12,000	70 watts	10,000	120	7,000	140	4,500	180	5A	11.00
T-470	(Replaced by T-480)									
T-477	6,700 or 4,700	80 watts	10,000	130	7,000	160	4,500	200	5 1/2 A	11.00
T-478	16,000	225 watts	7,000	270	5,000	320	3,500	400	7A	24.00
T-479	9,000 or 6,700	300 watts	8,000	250	6,000	300	4,000	370	7A	24.50
T-480	9,000 or 6,700	500 watts	8,000	350	6,000	400	4,000	500	8A	38.50

KEN-O-TAP MODULATION TRANSFORMERS

KEN-O-TAP Transformers never grow obsolete! Ideal for amateurs who wish to keep up to date with new tube combinations. Will match any Class B tube or tubes to any Class C load.

Type No.	Audio Output Primary	Class "C" Secondary	Primary Range	Secondary Range	Case No.	List Price
T-489	15 watts	30 watts	2000 - 20000	200 - 20000	3A	\$4.50
T-493	40 watts	80 watts	2000 - 20000	200 - 20000	4A	6.50
T-494	75 watts	150 watts	2000 - 20000	200 - 20000	5A	9.75
T-495	125 watts	250 watts	500 - 18000	200 - 19000	7A	22.00
T-496	300 watts	600 watts	500 - 18000	200 - 19000	8A	33.00

CATH-O-DRIVE TRANSFORMERS

KENYON again leads the way with a new series of four CATH-O-DRIVE modulation transformers, designed to be used with the new cathode system of modulation. This new method employs a small modulation transformer in the cathode circuit of the class "C" stage delivering audio power equal to a small percentage of the class 'C' input. Class 'C' constants are the same as for plate modulation. Here is a real economical solution for inexpensive modulation and a method which will give most excellent results.

A complete sheet showing impedances for various types of modulation tubes will be mailed upon request without charge.

Type	D. C.	Audio Tubes	Case No.	List Price
T-471	200 MA	SINGLE 6F6	2A	\$4.00
T-472	300 MA	PP 6V6's or 2A3's	3A	5.00
T-473	450 MA	PP 6L6's AB or AB2	4A	6.00
T-474	500 MA	UNIVERSAL	6A	12.00

*Handles 120 Watts Audio.

Secondary Impedances range from 40 to 3000 ohms in convenient taps.

PLATE TRANSFORMERS FOR STANDARD AMATEUR DUTY

Type No.	Secondary Voltage	D.C. Volts	D.C. M.A.	Case No.	List Price
T-668	1000/750-0-750/1000	500/750	300	5 1/2 A	\$9.75
T-669	1460/1180-0-1180/1460	1000/1250	300	7A	16.00
T-670	2360/2080/1760-0-1760/2080/2360	1500/1750/2000	300	8A	21.50
T-671	1460/1180-0-1180/1460	1000/1250	500	8A	21.50
T-672	1760/1460/1250-0-1250/1460/1760	1000/1250/1500	300	8A	19.75

Fully Poured - Vacuum Varnish Impregnated

KENYON "T" LINE TRANSFORMERS



PLATE TRANSFORMERS FOR HEAVY AMATEUR DUTY

Type No.	Primary Conn.	SECONDARY No. 1			SECONDARY No. 2			SECONDARY No. 3			Standard Amateur		Case No.	List Price
		D.C.	A.C.	M.A. D.C.	D.C.	A.C.	M.A. D.C.	D.C.	A.C.	D.C.	M.A. D.C.			
T-664		600	740-0-740	150							200	5A	\$8.25	
T-655	High Low	450 350	575-0-575 460-0-460	250 250							325	5A	8.75	
T-656	High Low	750 600	925-0-925 740-0-740	300 300							400	6A	12.00	
T-657	High Low	1000 750	1170-0-1170 900-0-900	200 200	1000 750	1170-0-1170 900-0-900	200 200				250	7A	25.25	
T-658	High Medium Low	500 450 400	650-0-650 585-0-585 520-0-520	175 175 175	560 510 450	710-0-710 640-0-640 570-0-570	175 175 175	560 510 450	710-0-710 640-0-640 570-0-570	175 175 175	All windings 20% higher current	7A	23.00	
T-654	High Medium Low	470 420 375	610-0-610 550-0-550 490-0-490	250 250 250	625 560 500	785-0-785 710-0-710 630-0-630	250 250 250	625 560 500	785-0-785 710-0-710 630-0-630	250 250 250		8A	30.25	
T-659	High Medium Low	500 450 400	650-0-650 585-0-585 520-0-520	350 350 350	560 510 450	710-0-710 640-0-640 570-0-570	350 350 350	560 510 450	710-0-710 640-0-640 570-0-570	350 350 350		9A	33.00	
T-665	High Low	1250 1000	1470-0-1470 1180-0-1180	250 250							300	7A	22.00	
T-666		1250	1460-0-1460	350							400	8A	26.50	
T-667		1250	1460-0-1460	500							600	9A	33.00	
T-660		1250	1460-0-1460	500	500	630-0-630	200				600-400	9A	38.50	
T-661		1750	2080-0-2080	200							250	7A	22.00	
T-652	High Low	1750 1500	2080-0-2080 1760-0-1760	450 450							550	9A	41.75	
T-651	High Low	1750 1500	2080-0-2080 1760-0-1760	300 300							350	9A	33.00	
T-653		2000	2360-0-2360	300							350	9A	35.25	
T-663		2000	2360-0-2360	600							700	10A	66.00	
T-673		3000/2500	3400/2840- 0-2840/3400	350							450	10A	70.00	

All power transformers are designed for 115 volt, 50 to 60 cycle operation. For 230 volt 60 cycle operation add 25% to list prices. For 115 volt 25 cycle operation add 60% to list prices. For 230 volt 25 cycle operation add 100% to list prices. Case sizes for 25 cycle application are different than those specified for standard 115 volt 50 to 60 cycle operation.

FILTER REACTORS

Type No.	Inductance Henries	Max. M.A.	D.C. Resistance	Insulation Test	Case No.	List Price
T-155	290	10	4700	1000 V.	2A	\$3.25
T-158	350—CT	10	10000	1000 V.	3A	3.50
T-156	30	25	800	1000 V.	1A	2.50
T-157	20	50	200	1000 V.	1A	2.25
T-153	30	90	350	1000 V.	3A	3.25
T-154	15	165	210	1000 V.	3A	3.50
T-151	10	250	100	1000 V.	4A	5.50
T-152	10	200	100	1000 V.	3A	4.00
T-164	14	250	135	1500 V.	5A	7.75
T-166	11	300	125	1500 V.	5A	7.75
T-159	12	500	77	1500 V.	6A	9.75
T-165	10	150	275	3000 V.	3A	4.00
T-168	13	250	125	3000 V.	5A	7.75
T-160	11	300	120	3000 V.	5A	8.75
T-167	11	400	80	3000 V.	6A	10.25
T-175	10	200	140	5000 V.	4A	5.50
T-176	10	300	110	5000 V.	5A	7.75
T-178	10	400	90	5000 V.	6A	11.00
T-177	12	500	95	5000 V.	7A	16.50
T-161	10	600	50	5000 V.	7A	16.50
T-179	20	400	110	7000 V.	8A	25.00

SWINGING REACTORS

Type No.	Inductance Henries	Max. M.A.	D.C. Resistance	Insulation Test	Case No.	List Price
T-517	15-45	90-20	350	1000 V.	3A	\$3.25
T-515	10-25	165-30	210	1000 V.	3A	3.50
T-506	5-20	200-30	100	1000 V.	3A	4.00
T-501	5-15	250-30	100	1000 V.	4A	5.50
T-507	7-25	250-50	135	1500 V.	5A	7.75
T-510	6-19	300-30	125	1500 V.	5A	7.75
T-502	6-18	500-50	77	1500 V.	6A	9.75
T-511	5-20	170-20	275	3000 V.	3A	4.00
T-508	7-26	250-50	125	3000 V.	5A	7.75
T-514	5-20	300-50	120	3000 V.	5A	8.75
T-516	5-20	400-50	80	3000 V.	6A	10.25
T-509	6-19	200-30	140	5000 V.	4A	5.50
T-512	5-15	300-30	110	5000 V.	5A	7.75
T-513	5-18	400-50	90	5000 V.	6A	11.00
T-521	6-21	500-60	95	5000 V.	7A	16.50
T-505	5-17	600-60	50	5000 V.	7A	16.50
T-522	5-20	400-50	110	7000 V.	8A	25.00

Electrically and Mechanically Fool Proof Lugs



KENYON "T" LINE TRANSFORMERS

PLATE AND FILAMENT TRANSFORMERS

Type No.	High Voltage—Volts	Filament No. 1 M.A.	Volts	Amps	Filament No. 2 Volts	Amps	Filament No. 3 Volts	Amps	Filament No. 4 Volts	Amps	Case No.	List Price
T-249*	235-0-235	20	6.3C.T.	0.6	6.3C.T.	0.9					2A	\$4.50
T-245*	320-0-320	40	5	2	6.3C.T.	2					3A	5.00
T-201*	0-75	70	5	2							2A	4.00
T-205*	350-0-350	75	5	2	6.3C.T.	3					4A	6.50
T-222*	250-0-250	50	5	2	6.3C.T.	2					3A	5.25
T-206*	325-0-325	100	5	3	6.3C.T.	3	6.3C.T.	2			5A	8.25
T-212	420-0-420	125	5	3	6.3C.T.	3	2.5C.T.	4			5A	9.25
T-214	420-360-125-0-360-420	150	5	3	2.5C.T.	3	2.5C.T.	5	6.3C.T.	3	5A	9.75
T-244*	425-0-425	165	5	3	6.3C.T.	3	6.3C.T.	3			6A	11.00
T-248*	425-0-425	165	5	3	2.5C.T.	6	2.5C.T.	6			6A	12.25
T-213	520-110-0-520	180	5	3	2.5	3	6.3C.T.	3	6.3C.T.	3	5A	11.00
T-215	360-125-0-360	200	5	3	2.5C.T.	3	2.5C.T.	10	6.3C.T.	2.1	5A	11.00
T-247	590-0-590	200	5	3	6.3C.T.	3	6.3C.T.	3			5A	11.00
T-216	520-85-0-520	250	5	3	2.5C.T.	3	6.3C.T.	3	6.3C.T.	3	6A	12.50
T-202*	0-150	20	6.3	0.6							1A	4.00
T-220*	125-0-125	200	5	3							4A	6.00
T-246	625-0-625	250	5	3	6.3C.T.	3	6.3C.T.	3			6A	13.25
T-223	600-0-600	300	5	6	6.3C.T.	3	6.3C.T.	2			6A	11.50
T-221	High Voltage Secondary 520-390-105-390-520 to deliver 400 V.D.C. at 400 M. A. and 300 V.D.C. at 160 M.A.										7A	25.25
	Filament No. 1 5V-6A	Filament No. 2 5V-3A	Filament No. 3 2.5V-3A	Filament No. 4 6.3V C.T.-4A	Filament No. 5 6.3V C.T.-4A							

* Indicates unit designed for condenser input. (All other units should be used choke input.)

POWER LINE AUTO TRANSFORMERS

Type No.	Input	Output	Capacity Volt-Amperes	Case No.	List Price
T-217	88 to 130 volts	115 volts	150	3A	\$6.50
T-218	88 to 130 volts	115 volts	300	4A	8.50
T-219	88 to 130 volts	115 volts	500	5A	11.00

FILAMENT TRANSFORMERS

SINGLE WINDING

Type No.			Case No.	List Price
T-388	2.5, 5, 6.3 V-2A	1000 V. Test	1A	\$2.75
T-379	2.5 V.-5 A. CT.	2000 V. Test	1A	3.00
T-352	2.5 V.-10 A. CT.	2000 V. Test	2A	3.50
T-360	2.5 V.-10 A. CT.	5000 V. Test	3A	5.00
T-354	5 V.-3 A. CT.	2000 V. Test	2A	3.50
T-357	5.25 V.-12 A. CT.	2000 V. Test	4A	6.00
T-358	5.25 V.-20 A. CT.	2000 V. Test	5A	7.00
T-380	5, 5.1, 5.25 V.-8 A. CT.	2000 V. Test	4A	6.00
T-381	5, 5.1, 5.25 V.-10.5 A. CT.	2000 V. Test	4A	6.50
T-382	5, 5.1, 5.25 V.-16 A. CT.	2000 V. Test	4A	7.25
T-383	5, 5.1, 5.25 V.-21 A. CT.	2000 V. Test	5A	7.75
T-393	5, 5.1, 5.25 V. 26 A. CT.	2000 V. Test	5A	8.00
T-351	6.3 V.-3 A. CT.	2000 V. Test	2A	3.25
T-378	6.3, 7.5 V.-7 A. CT.	2000 V. Test	3A	4.50
T-392	7.5, 7.7, 7.9 V. 6 A. CT.	2000 V. Test	3A	4.25
T-353	7.5 V. 4½ A. CT.	2000 V. Test	2A	3.50
T-359	7.5 V.-9 A. CT.	2000 V. Test	4A	5.50
T-365	10 V.-4 A. CT.	5000 V. Test	3A	5.00
T-361	10 V.-8 A. CT.	5000 V. Test	4A	6.50
T-384	10, 10.5, 11 V.-5 A. CT.	2000 V. Test	4A	6.50
T-385	10, 10.5, 11 V.-10 A. CT.	2000 V. Test	5A	8.00
T-387	6.3, 6.45, 6.6 V.-8A	2000 V. Test	3A	4.00
T-389	2.5 V.-10 A. CT.	9000 V. Test	4A	7.50
T-390	5 V.-20 A. CT.	10000 V. Test	5½A	14.00
T-391	5 V.-20 A. CT.	5000 V. Test	5A	8.00

Kenyon-On All Major Expeditions for 5 Years

KENYON "T" LINE TRANSFORMERS



FILAMENT TRANSFORMERS

TWO WINDINGS

T-386	6.3 V.-3 A. CT.	2000 V. Test	5 V.-4 A. CT.	2000 V. Test	3A	\$4.50
T-369	2.5 V.-8 A. CT.	1000 V. Test	6.3 V.-4 A. CT.	1000 V. Test	4A	5.50
T-368	6.3 V.-4 A. CT.	2000 V. Test	6.3 V.-4 A. CT.	2000 V. Test	4A	5.50
T-366	2.5 V.-10 A. CT.	5000 V. Test	2.5 V.-10 A. CT.	5000 V. Test	4A	7.00
T-363	10 V.-6.5 A. CT.	5000 V. Test	10 V.-3.25 A.	5000 V. Test	5A	8.25
T-362	11-12 V.-8 A. CT.	5000 V. Test	10-11 V.-3.5 A. CT.	5000 V. Test	5A	9.75

FILAMENT TRANSFORMERS

THREE WINDINGS

T-376	6.3 V.-4 A. CT.	2000 V. Test	6.3 V.-4 A. CT.	2000 V. Test	5 V.-3 A.	2000 V. Test	4A	6.50
T-364	2.5 V.-8 A. CT.	750 V. Test	2.5 V.-10 A. CT.	750 V. Test	5 V.-6 A.	750 V. Test	4A	7.00
T-356	6.3 V.-3 A. CT.	750 V. Test	5 V.-4 A. CT.	3000 V. Test	5 V.-8 A. CT.	3000 V. Test	4A	7.75
T-355	5 V.-3 A. CT.	4000 V. Test	5 V.-3 A. CT.	4000 V. Test	5 V.-6 A. CT.	4000 V. Test	4A	7.00
T-375	2.5 V.-5 A. CT.	6000 V. Test	2.5 V.-5 A. CT.	6000 V. Test	2.5 V.-10 A. CT.	6000 V. Test	4A	8.25

FILAMENT TRANSFORMERS

FOUR WINDINGS

T-373	2.5 V.-5 A. CT.	5 V.-3 A.	7.5 V.-3.25 A. CT.	7.5 V.-8 A. CT.	5A	\$8.75
	750 V. Test	750 V. Test	3000 V. Test	3000 V. Test		
T-374	2.5 V.-5 A. CT.	5 V.-3 A.	6.3 V.-3 A. CT.	7.5 V.-8 A. CT.	5A	8.75
	750 V. Test	750 V. Test	3000 V. Test	3000 V. Test		
T-370	6.3 V.-3 A. CT.	6.3 V.-3 A. CT.	2.5 V.-4 A. CT.	5 V.-3 A.	4A	7.00
	750 V. Test	750 V. Test	750 V. Test	750 V. Test		
T-371	5 V.-3 A.	6.3 V.-3 A. CT.	6.3 V.-3 A. CT.	7.5 V.-8 A. CT.	5A	8.75
	750 V. Test	750 V. Test	750 V. Test	2500 V. Test		
T-372	5 V.-3 A.	5 V.-3 A. CT.	6.3 V.-3 A. CT.	7.5 V.-4 A. CT.	5A	8.75
	750 V. Test	750 V. Test	750 V. Test	2000 V. Test		
T-367	6.3 V.-5 A. CT.	6.3 V.-5 A. CT.	5 V.-6 A. CT.	5 V.-3 A. CT.	5A	8.75
	2000 V. Test	2000 V. Test	2000 V. Test	2000 V. Test		

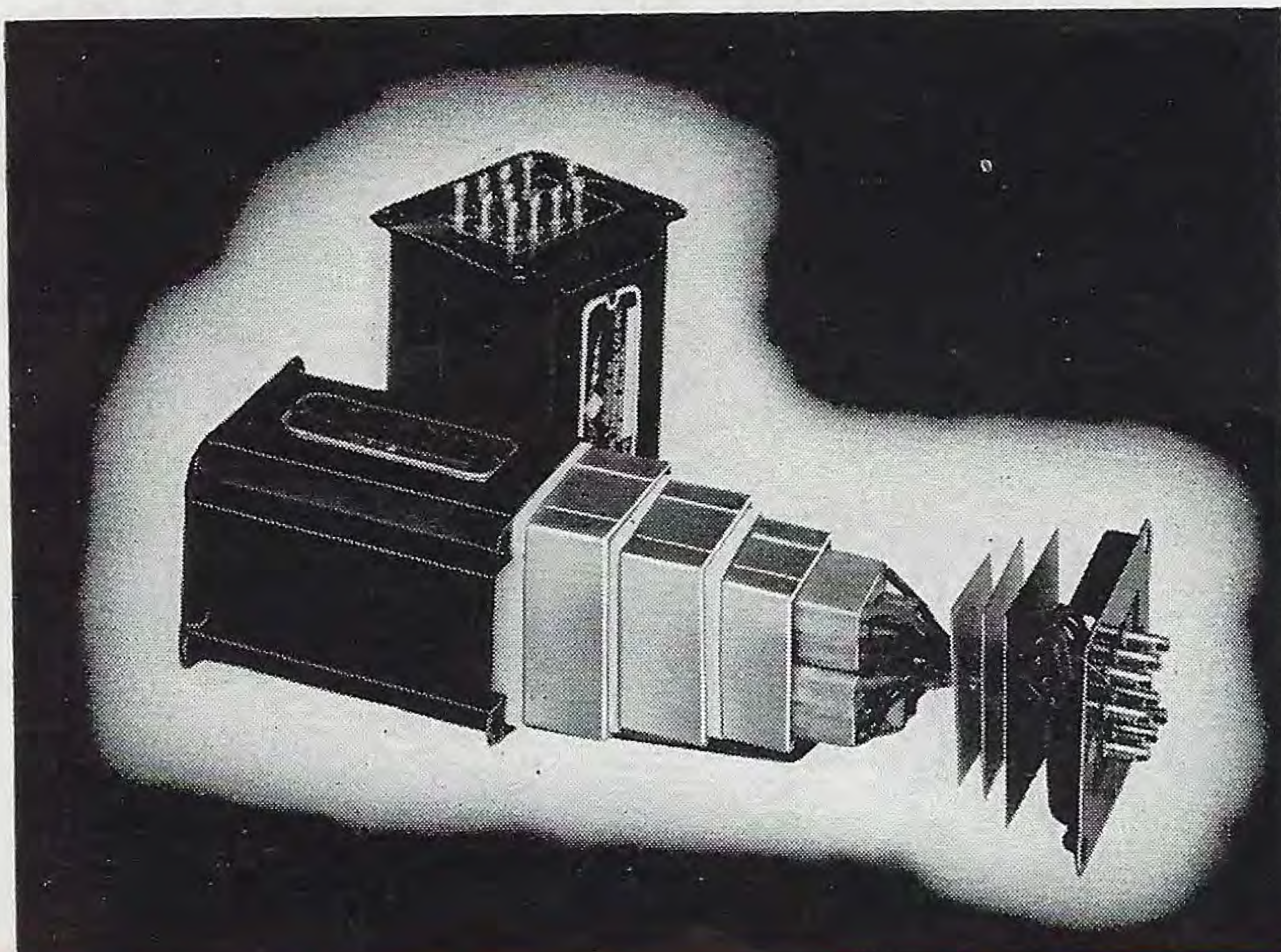
FILAMENT TRANSFORMERS

FIVE WINDINGS

T-377	5 V.-3 A.	5 V.-6 A.	6.3 V.-1 A. CT.	6.3 V.-5 A. CT.	6.3 V.-5 A. CT.	5A	9.75
	2000 V. Test	2000 V. Test	2000 V. Test	2000 V. Test	2000 V. Test		

TELESCOPIC SHIELDED HUMBUCKING TRANSFORMERS

The core type, humbucking, construction employed in these transformers tends to minimize hum pick-up. In addition, they are mounted in multiple electromagnetic shields of high



permeability alloy steel **which are annealed after complete construction to remove shearing and bending strains** thus assuring maximum permeability upon which depends the efficiency of shielding.

These units are the same in size, No. 1A T line case.

For applications requiring a line to grid transformer with shielding to reduce hum, 90 db having excellent frequency response, type P-202 is recommended. For applications where shielding and frequency response requirements are not quite as rigid, type T-6 will suffice effectively at lower cost for P. A. and amateur equipment.

TYPE P-202

Designed for a multiple line primary of 500/333/250/200/125/50 ohms and secondary of 50,000 ohms (single class A grid) having a frequency response of plus or minus 2 DB 30 to 15,000 cycles, shielding, 90 db mounted in four high permeability alloy annealed steel cases. List price\$12.00

TYPE P-203

Has a primary and frequency response the same as type P-202 above. Secondary: 100,000 ohms to PP grids. List price.....\$16.00

TYPE T-6

Designed with a multiple line primary of 500/333/250/200/125/50 ohms and secondary of 20,000 ohms (single Class A grid). Frequency response plus or minus 3 db. 60 to 10,000 cycles. Shielding, 50 db. Mounted in 2 high permeability annealed alloy steel cases and plain steel outer case. These units are designed for use in low level input circuits where hum-pickup must be kept to absolute minimum. List price\$7.75

Dependable Under Every Climatic Condition

DRIVER & MODULATOR COMBINATIONS

Mod. Tubes	Plate Volts	Audio Volts	Mod. Trans.	Driver Tubes	Driver Trans.
1J6G	135	2.1	T-452	Single 1H4G	T-252
6A6	300	10	T-451	Single 6A6	T-251
6AC5G	250	8	T-451	6C5's	T-256
*x6F6 Pent. AB2	400	20	T-454	Single 6F6	T-254
*6F6 Tri. AB2	350	18	T-454	Single 6F6	T-254
x6F6 Tri. AB2	350	14	T-451	Single 6F6	T-254
4-6F6	400	40	T-457	45's	T-257
6L6 A1	250	14	T-453	Single 6C5	T-58
*x6L6 AB1	400	30	T-454	Single 6C5	T-58
*6L6 AB2	400	60	T-459	6C5's	T-255
*6L6 AB2	400	40	T-454	6C5's	T-255
4-6L6 AB1	400	60	T-457	Single 6C5	T-58
6N7	300	10	T-451	Single 6N7	7-251
6V6 AB1	300	13	T-451	Single 6C5	T-58
6V6 AB2	320	36	T-454	6C5's	T-255
6Z7G	180	4	T-452	Single 6C5	T-251
19	135	2.1	T-452	Single 30	T-252
*x42 Pent. AB2	400	20	T-454	Single 42	T-254
*42 Tri. AB2	350	18	T-454	Single 42	T-254
x42 Tri. AB2	350	14	T-451	Single 42	T-254
4-42	400	40	T-457	45's	T-257
*x2A5 Pent. AB2	400	20	T-454	Single 2A5	T-254
*2A5 Tri. AB2	350	18	T-454	Single 2A5	T-254
x2A5 Tri. AB2	350	14	T-451	Single 2A5	T-254
4-2A5	400	40	T-457	45's	T-257
*45 AB2	300	18	T-453	6C5's	T-256
4-45 AB2	300	36	T-456	Single 45	T-254
2A3	300	15	T-453	6C5's	T-256
4-2A3	300	30	T-456	Single 45	T-254
2-46	500	40	T-454	Single 46	T-253
4-46	500	80	T-457	45's	T-257
53	300	10	T-451	Single 53	T-251
59	500	35	T-454	Single 59	T-253
4-59	500	70	T-457	45's	T-257
2-89 Tri.	200	4	T-451	Single 89	T-252
800	1000	100	T-460	45's	T-258
801	600	45	T-458	45's	T-257
801	400	27	T-454	45's	T-257
805	1500	370	T-479	2A3's	T-259
805	1250	300	T-479	2A3's	T-259
806	2000	500	T-468	4-2A3's	T-265
807 AB2	600	80	T-477	45's	T-271
807 AB2	500	75	T-477	45's	T-271
807 AB2	750	120	T-462	45's	T-271
808	1250	190	T-464	2A3's	T-259
808	1500	185	T-468	2A3's	T-259
809	750	100	T-466	45's	T-271
809	500	60	T-477	45's	T-271
809	1000	145	T-460	2A3's	T-271
810	2000	590	T-463	4-2A3's	T-267
810	1500	510	T-479	4-2A3's	T-267
811	1500	225	T-478	2A3's	T-271
811	1250	175	T-478	2A3's	T-271
812	1500	225	T-478	2A3's	T-259
812	1250	175	T-478	2A3's	T-259
828 AB1	2000	385	T-468	6F8G	T-54
828 AB1	1700	300	T-468	6F8G	T-54
830B	1000	175	T-467	2A3's	T-259
830B	800	135	T-462	2A3's	T-259
838	1250	260	T-479	2A3's	T-259
838	1000	200	T-467	2A3's	T-259
1602	425	25	T-455	45's	T-258
1608	425	50	T-457	45's	T-257
1608	350	38	T-459	45's	T-257
1619 AB1	400	17	T-451	6C5's	T-255
1619 AB2	400	36	T-454	6C5's	T-255
1623	750	100	T-466	2A3's	T-271
1623	500	60	T-477	2A3's	T-271
1624 AB2	600	72	T-477	45's	T-271
1624 AB2	400	36	T-454	6C5's	T-255
210	600	45	T-455	45's	T-257
203A	1250	260	T-479	2A3's	T-259
203A	1000	200	T-479	2A3's	T-259
211	1250	260	T-479	2A3's	T-259
211	1000	200	T-479	2A3's	T-259
T20	800	70	T-469	45's	T-258
T20	600	50	T-477	45's	T-258
TZ20	800	70	T-469	45's	T-257

*Fixed Bias

xCathode Bias

†Fixed Bias—300V DC Plate Supply

Mod. Tubes	Plate Volts	Audio Volts	Mod. Trans.	Driver Tubes	Driver Trans.
T720	600	50	T-477	45's	T-257
T40	1000	175	T-467	2A3's	T-271
TZ40	1000	175	T-467	2A3's	T-271
T55	1250	125	T-479	2A3's	T-259
T55	1500	175	T-464	2A3's	T-259
T155	1750	500	T-480	4-2A3's	T-260
HD203A	1750	500	T-480	4-2A3's	T-260
203B	1250	260	T-479	2A3's	T-259
203Z	1250	300	T-479	2A3's	T-259
756	850	100	T-462	2A3's	T-259
T-814	2000	500	T-463	4-2A3's	T-265
T-822	2000	500	T-480	4-2A3's	T-260
WE242A	1250	260	T-479	2A3's	T-259
WE261A	1250	260	T-479	2A3's	T-259
WE276A	1250	260	T-479	2A3's	T-259
WE300A	450	25	T-453	6C5's	T-256
WE304B	750	85	T-462	45's	T-258
WE304B	1000	110	T-460	45's	T-258
WE304B	1250	140	T-461	45's	T-258
RK12	750	100	T-466	45's	T-271
RK18	1000	100	T-461	2A3's	T-259
RK30	1000	100	T-460	45's	T-258
RK31	1000	110	T-460	45's	T-271
RK31	1250	140	T-461	45's	T-271
RK34	300	10	T-451	Single RK34	T-251
RK38	2000	330	T-468	2A3's	T-271
RK39 AB2	600	80	T-462	45's	T-271
RK39 AB2	500	75	T-457	45's	T-271
RK39 AB2	400	60	T-459	6C5's	T-255
RK52	1250	250	T-479	2A3's	T-259
RK57	1250	300	T-479	2A3's	T-259
RK57	1500	370	T-480	2A3's	T-259
RK58	1250	260	T-479	2A3's	T-259
HF100	1500	260	T-464	2A3's	T-259
HF100	1750	350	T-468	2A3's	T-259
HF200	2000	500	T-463	4-2A3's	T-265
ZB120	1000	200	T-467	2A3's	T-271
ZB120	1250	245	T-479	2A3's	T-271
ZB120	1500	300	T-464	2A3's	T-271
HY25	500	45	T-457	45's	T-258
HY25	800	75	T-458	45's	T-258
HY61	600	80	T-477	45's	T-271
HY61	750	120	T-462	45's	T-271
HY57	500	60	T-457	45's	T-271
HY57	800	110	T-466	45's	T-271
HY40	1000	175	T-467	2A3's	T-271
HY40Z	800	140	T-462	2A3's	T-259
HY40Z	1000	180	T-467	2A3's	T-259
HY51A	800	150	T-462	2A3's	T-271
HY51B	1000	180	T-467	2A3's	T-271
HY51Z	850	160	T-462	2A3's	T-259
HY51Z	1000	190	T-467	2A3's	T-259
HY60 AB1	250	9	T-451	1-6C5	T-58
HY60 AB1	300	13	T-451	1-6C5	T-58
HY69	300	27	T-459	6C5's	T-255
HY69	425	36	T-454	45's	T-271
HY69	600	69	T-477	45's	T-271
HY30Z	850	100	T-466	45's	T-258
35T	1000	150	T-462	45's	T-258
35T	1500	230	T-464	2A3's	T-259
UH35—Same as 35T					
UH35—Same as 35T					
75T	2000	400	T-464	2A3's	T-266
75T	1500	300	T-479	2A3's	T-266
75T	1250	250	T-479	2A3's	T-266
75T	1000	200	T-467	2A3's	T-266
100TL	1500	270	T-479	‡2A3's	T-266
100TL	2000	350	T-468	‡2A3's	T-266
100TH	1500	300	T-479	‡2A3's	T-259
100TH	2000	380	T-468	‡2A3's	T-259
HK24	1000	105	T-460	2A3's	T-266
HK24	1250	120	T-460	2A3's	T-266
HK54	750	95	T-462	2A3's	T-259
HK54	1000	140	T-466	2A3's	T-259
HK54	1500	200	T-464	‡2A3's	T-259
HK154	1250	220	T-464	2A3's	T-266
HK154	1500	260	T-468	2A3's	T-266
HK254	2000	328	T-468	‡2A3's	T-266
HK354D	1500	300	T-464	4-2A3's	T-267

Choice of Leading Manufacturers of Ham Gear

BROADCAST & INDUSTRIAL TRANSFORMERS



KENYON BROADCAST TRANSFORMERS

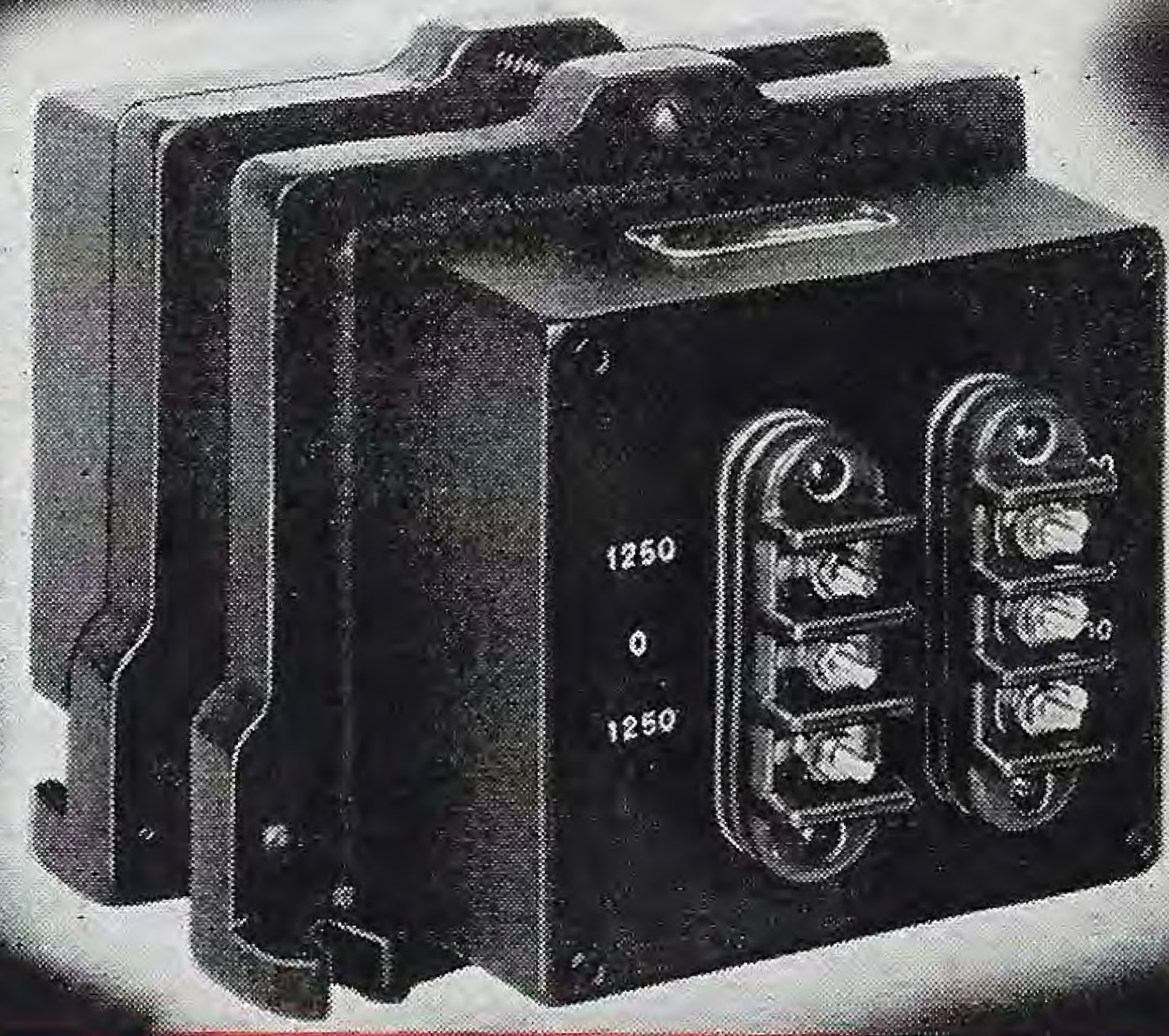
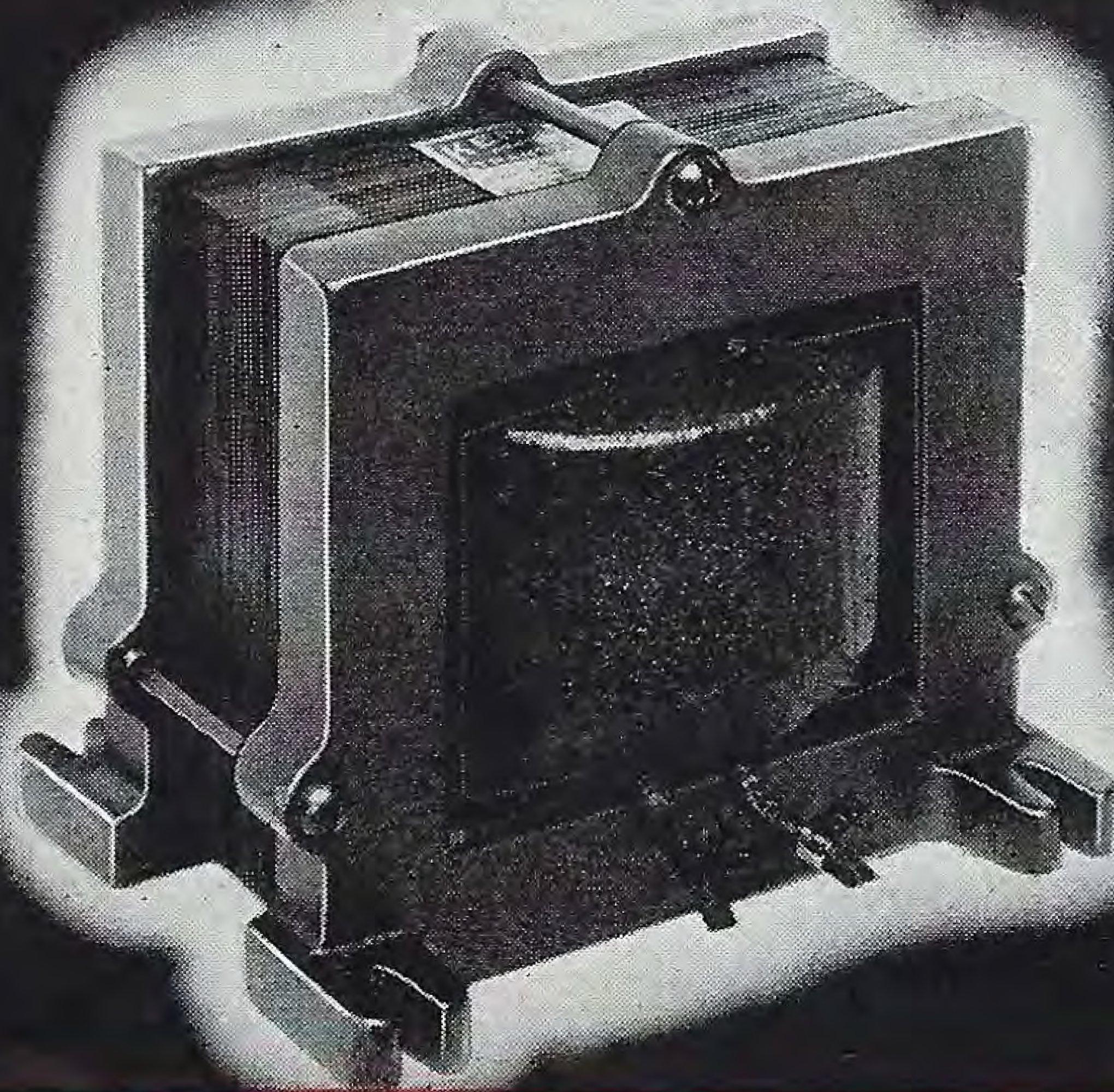
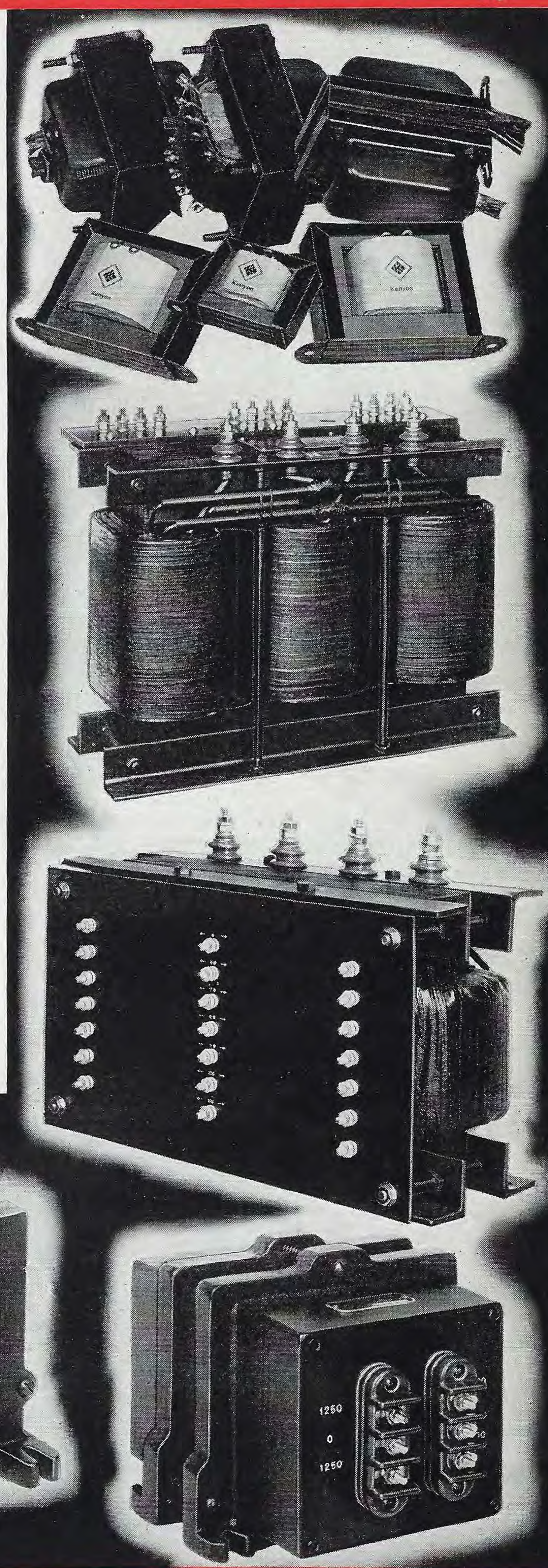
Recognized everywhere as being of superior design these transformers are thoroughly dependable under the most adverse conditions. We manufacture a complete complement from the small A line units to the large oil cooled types for modulation, plate and filament supplies. Due to the great varieties of types space will not permit a complete listing of electrical and mechanical specifications. Application of these units range from low power, voice-frequency, ultra light, portable transmitters and receivers to heavy-duty, high fidelity, broadcast components. Due to many years experience in design and manufacture, our engineering department has on file data covering all the common applications of these transformers. We invite you to bring your problems to our engineers for recommendations and quotations on all types of transformers. This service is at your disposal without obligation. Address attention Broadcast Engineering Department.

KENYON INDUSTRIAL TRANSFORMERS

Long a pioneer in the manufacture of special types for the industrial trade, Kenyon invites you to consult their engineering department regarding your transformer problems. Transformers manufactured range from the high current 60 KVA models thru the small spot-welding transformer. Again space does not permit tabulation of the thousands of different types manufactured. Our engineering department is constantly abreast of the latest developments and solicits your correspondence. Write today for a complete analysis of the industrial transformer problem which you may have. Again this service is rendered without obligation.

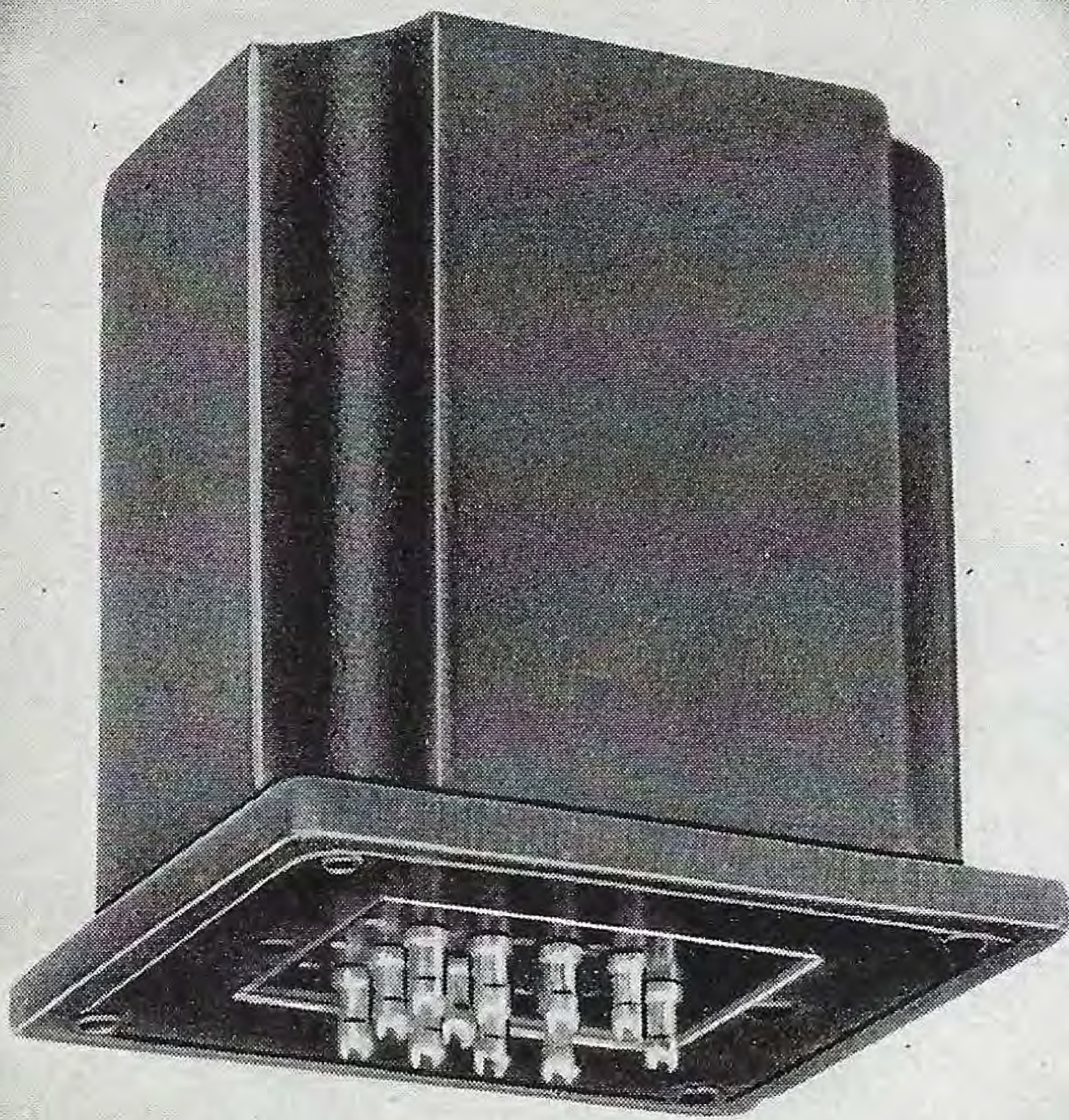
For complete information and electrical specifications on open type mounting units (as illustrated top right) send for FREE catalog "R".

Page 11



When Quality Counts --- Kenyon!

LABORATORY STANDARD AUDIO TRANSFO



Kenyon is pleased to present these fine examples of skilled craftsmanship representing the acme of transformer design and engineering practice. The outstanding success of these laboratory standard units can be traced to the extremely rigid standards set for the manufacturing processes which are constantly under the supervision of skilled engineers.

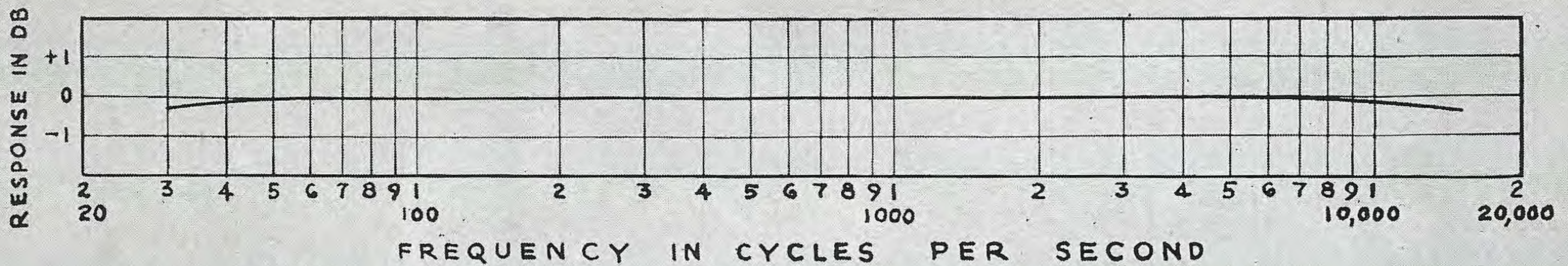
We invite you to investigate our laboratory standard units to convince yourself that our claims are modest indeed. These units can be found in the finest broadcast stations of the world. Ask the man who uses Kenyon and you will then understand the phenomenal success of these thoroughly dependable high-fidelity transformers.

We will be glad to quote on any unit not listed here. Practically all standard units are guaranteed to be plus or minus one db., 20 to 20,000 cycles. Housed in a special cast case, the standard line is of bottom-mounting construction. The high permeability casting provides electromagnetic shielding of 18 db. In addition to this, all low level units are of core type (humbucking) construction. *Top mounting can be furnished when requested at an additional 10% of list price.*

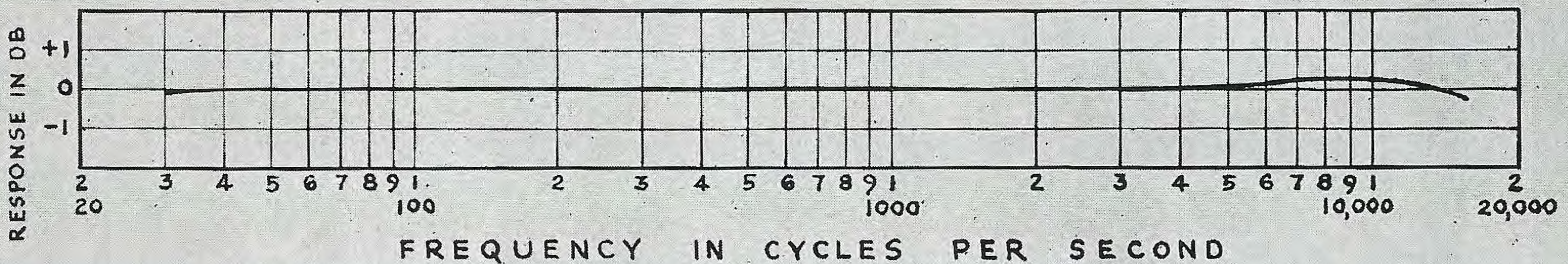
MOUNTING DIMENSIONS (See Diagram)

Case	H	W	D	MW	MD
T-1	3 $\frac{3}{4}$ "	3 $\frac{1}{2}$ "	3 $\frac{1}{8}$ "	2-13/16"	2- 7/16"
T-2	4 $\frac{1}{8}$ "	4"	3 $\frac{3}{8}$ "	3- 9/32"	2-23/32"
T-3	4 $\frac{5}{8}$ "	5 $\frac{3}{8}$ "	4"	4-19/32"	3- 3/16"
T-4	4 $\frac{5}{8}$ "	6"	5 $\frac{3}{8}$ "	5- 7/32"	4- 9/16"

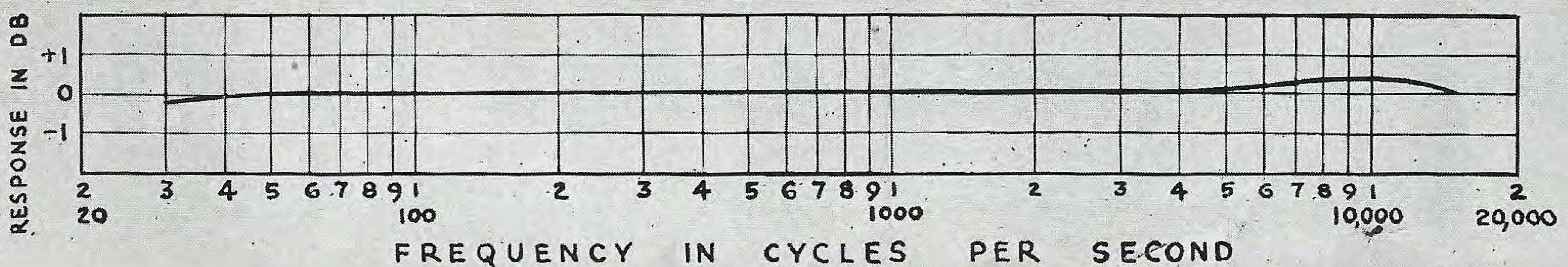
KENYON
K-416
OUTPUT
TRANSFORMER



KENYON
K-304
INTERSTAGE
TRANSFORMER



KENYON
K-200
INPUT
TRANSFORMER



Kenyon Transformers for Com

TRANSFORMERS are the STANDARD of the WORLD



LINE TO LINE TRANSFORMERS

Type No.	Pri. Imped.	Sec. Imped.	Max. Level	Max. Pri. D.C.	Max. Pri. Unbalanced D.C.	Case Size	List Price
K-100	500 ohm multiple line	500 ohm multiple line	+26 db.	100 M.A.	0 M.A.	T-1	\$20.00

LINE TO GRID TRANSFORMERS

K-200	500 ohm multiple line	75,000 ohms	+26 db.	60 M.A.	0 M.A.	T-1	25.00
K-202	7.5, 17, 30, 67	75,000 ohms	+26 db.	200 M.A.	0 M.A.	T-1	25.00
K-203	500 ohm multiple line	75,000 ohms	+26 db.	60 M.A.	0 M.A.	T-1	18.00
K-204	500 ohm multiple line	80,000 ohms	+26 db.	60 M.A.	0 M.A.	T-1	12.00

Note: K-204 is plus or minus 1 db 40 to 12000 cycles.

LINE TO PUSH-PULL GRID TRANSFORMERS

K-201	500 ohm multiple line	120,000 ohms	+28 db.	60 M.A.	0 M.A.	T-1	25.00
K-205	500 ohm multiple line	120,000 ohms	+28 db.	60 M.A.	0 M.A.	T-1	18.00

INTERSTAGE TRANSFORMERS

K-300	single triode plate 10,000 ohms	40,000 ohms single grid	+20 db.	10 M.A.	10 M.A.	T-1 Ratio: 1:2 overall	22.00
K-302	P.P. plates 20,000 ohms	65,000 ohms P.P. grids	+22 db.	20 M.A.	1 M.A.	T-1 Ratio: 1:1.8 overall	22.00
K-304	single triode plate 10,000 ohms	40,000 ohms P.P. grids	+22 db.	10 M.A.	10 M.A.	T-1 Ratio: 1:2 overall	22.00

DRIVER TRANSFORMERS

K-305	PP 6C5-56 76 etc. 20,000 ohms	PP 2A3, 6L6 etc.	+24 db.	20 M.A.	1 M.A.	T-1 2.8:1 total primary to 1/2 Sec.	16.00
K-306	PP 2A3, 6L6 etc. 5000 ohms	PP 6L6, 838, 805, etc.	+32 db.	120 M.A.	10 M.A.	T-2 3.15:1 total primary to 1/2 Sec.	18.00

OUTPUT TRANSFORMERS

K-400	6C5, 76, 56, etc. 20,000 ohms	500 ohm multiple line	+20 db.	10 M.A.	10 M.A.	T-1	18.00
K-401	PP 6C5, 76, 56, etc. 20,000 ohms	500 ohm multiple line	+23 db.	20 M.A.	1 M.A.	T-1	18.00
K-402	PP 45, 50 8,000 ohms	4000 ohm multiple line and 15 ohm multiple voice coil	+33 db.	110 M.A.	10 M.A.	T-2	21.00
K-403	PP 45, 50 8,000 ohms	500 ohm multiple line and 15 ohm multiple voice coil	+33 db.	110 M.A.	10 M.A.	T-2	21.00
K-404	PP 45, 50 8,000 ohms	500 ohm multiple line	+33 db.	110 M.A.	10 M.A.	T-2	18.00
K-405	PP 45, 50 8,000 ohms	15 ohm multiple voice coil	+33 db.	110 M.A.	10 M.A.	T-2	18.00
K-406	PP 2A3, AB or PP 6L6, C1.A 5000/ 3000 ohms	4000 ohm multiple line and 15 ohm multiple voice coil	+35 db.	140 M.A.	10 M.A.	T-2	21.00
K-407	PP 2A3, AB or PP 6L6, C1.A 5000/ 3000 ohms	500 ohm multiple line and 15 ohm multiple voice coil	+35 db.	140 M.A.	10 M.A.	T-2	21.00
K-408	PP 2A3, AB or PP 6L6, C1.A 5000/ 3000 ohms	500 ohm multiple line	+35 db.	140 M.A.	10 M.A.	T-2	18.00
K-409	PP 2A3, AB or PP 6L6, C1.A 5000/ 3000 ohms	15 ohm multiple voice coil	+35 db.	140 M.A.	10 M.A.	T-2	18.00
K-414	PP 6L6, AB 8500/6000	500 ohm multiple line	+36.5 db.	140 M.A.	10 M.A.	T-3	25.00
K-415	PP 6L6, AB 8500/6000	15 ohm multiple line	+36.5 db.	140 M.A.	10 M.A.	T-3	25.00
K-416	PP 6L6, AB 6600/3800	500 ohm multiple line	+37.6 db.	170 M.A.	10 M.A.	T-3	25.00
K-417	PP 6L6, AB 6600/3800	15 ohm multiple voice coil	+37.6 db.	170 M.A.	10 M.A.	T-3	25.00
K-418	PP 6L6 AB ₂ 6000/3800	500 ohm multiple line	+40 db.	250 M.A.	15 M.A.	T-4	30.00
K-419	PP 6L6 AB ₂ 6000/3800	15 ohm multiple voice coil	+40 db.	250 M.A.	15 M.A.	T-4	30.00

istently Fine Performance!!!



PORTABLE BROADCAST TRANSFORMERS



The Kenyon Transformer Company, Inc., has for some time seen the need for a small, light, compact unit for use in portable remote pick-up equipment and similar applications. This line has been designed to fill this demand. The average weight of any one of the units is twenty ounces. Included are parallel feed chokes, line to line, input, interstage and output transformers which are designed for use with the different tubes more commonly used in portable equipment. All units are electromagnetically shielded by hydrogen ANNEALED high permeability alloy steel cases. The following are the salient features:

FREQUENCY RANGE:— ± 1 DB 40 to 12,000 cycles.

MECHANICAL:—Case 1A, see chart top of page 4 for dimensions.

ELECTRICAL:—Electrostatic shield between primary and secondary of all input, output, line and microphone transformers. Shield and connection to core brought out on terminal board. Core insulated from case. Balanced windings are tested for resistance, inductance, and capacity balance. Interstage transformers are designed to carry D. C. currents specified below. The frequency limit (plus or minus 1 DB, 40 to 12,000) is maintained up to and including D. C. current value given. If extremely low frequency is desired, the use of a parallel feed choke is recommended. The Multiple line impedance arrangement is a coil structure conceived, designed and developed by the Kenyon Transformer Co., Inc.

All transformers in which this winding is incorporated offer balanced 200 and 500 ohm windings with taps at 50, 125, 250 and 333 ohms.

Use is made of the latest alloys for core material—different alloys being used for the different transformers, depending on their intended use. These transformers have a new type of impregnation and sealing which makes them proof against failure due to adverse climatic conditions. For values other than those listed, consult our engineering department. All types are manufactured.

LINE TO LINE TRANSFORMERS

Type	Application	Response ± 1 db.	Impedance Ratio	Level	List Price
P-100	Line to line	40-12,000	Multiple line to multiple line	+20	\$10.00
P-101	Dynamic microphone or low impedance pickup to line	40-12,000	10/20/30 ohm line to multiple line	+20	10.00

LINE TO GRID TRANSFORMERS

P-200	Line to grid	40-12,000	Multiple line to 80,000 ohms (α)	+20	10.00
*P-202	Line to grid	± 2 db 30-15,000	Multiple line to 50000 ohms (α)	+20	12.00
*P-203	Line to PP grids	± 2 db 30-15,000	Multiple line to 100000 ohms (α)	+20	16.00
P-201	Dynamic microphone or low impedance pickup to grid	40-12,000	10/20/30 ohm line to 80,000 ohms (α)	+20	10.00

* See page 9 for complete details.

INTERSTAGE TRANSFORMERS

P-300	Single plate to single grid	40-12,000	1:2 overall	6 MA	8.00
P-301	Single plate to push pull grids	40-12,000	1:2 overall	6 MA	10.00

OUTPUT TRANSFORMERS

P-400	Single plate to line	40-12,000	Plate (c) to multiple line	+20	10.00
P-401	Push pull plates to line	40-12,000	Plates (c) to multiple line	+20	10.00

AUDIO CHOKES

P-500	Parallel feed audio choke (split winding)	Rated D.C. 3 MA	Inductance 300 Hys.	D.C. Resistance 6000 Ohms	8.00
P-501	Parallel feed or output audio choke (split winding)	10 MA	40 Hys.	800 Ohms	8.00

(a) Split winding—impedance refers to entire secondary.

(c) "Plate" refers to such tubes as 6C5, 56, 30, 846, etc., having an A.C. plate resistance of the order of 10,000 ohms.

For High Quality - Depend on Kenyon!

SIMULTANEOUS RADIO RANGE FILTERS

Kenyon has long been a pioneer in the engineering and design of electric wave filters of every description. Filters are manufactured under the most rigid laboratory supervision. By means of a suitable mechanical, as well as electrical design of parts, a high degree of uniformity in the finished product may be maintained. Filters covering frequencies from the lowest audible range to supersonics as high as 40 k.c. may be made to meet specifications. In submitting specifications, complete information as to the impedance desired, insertion loss allowable, frequencies at which maximum attenuation must occur and mechanical construction should be given.

In many cases it is possible to save a considerable amount in the size and cost of the unit by making a slight change in the attenuation characteristic. Therefore, it should be indicated on the specifications within what tolerances the attenuation characteristic may be changed. Our engineering department will be glad to submit recommendations and quotations on various units to solve the most trying transmission problems. This service is available without obligation. We invite your inquiries.



TYPICAL AIRLINE FILTER

AMATEUR FILTERS

Here is an ideal filter for amateur communication purposes. The amount of noise present in any audio circuit is greater as the band width of frequencies covered is increased. Conversely, as the band of frequencies transmitted is decreased, the amount of noise present is reduced. One function of this filter is to limit the band of frequencies transmitted to those which are necessary for intelligible speech. In addition to reducing the amount of noise, it also eliminates the fre-

quencies below 200 cycles which carry a large amount of power. With these eliminated, it is possible to concentrate the power capabilities of the modulator equipment on those frequencies which are most important for communication work. This effectively increases the audio power output of the transmitter.

This filter also eliminates frequencies over 3,000 cycles thereby reducing room noises, hiss, shush, sharply pitched transients, and staccato noises.

SPECIFICATION

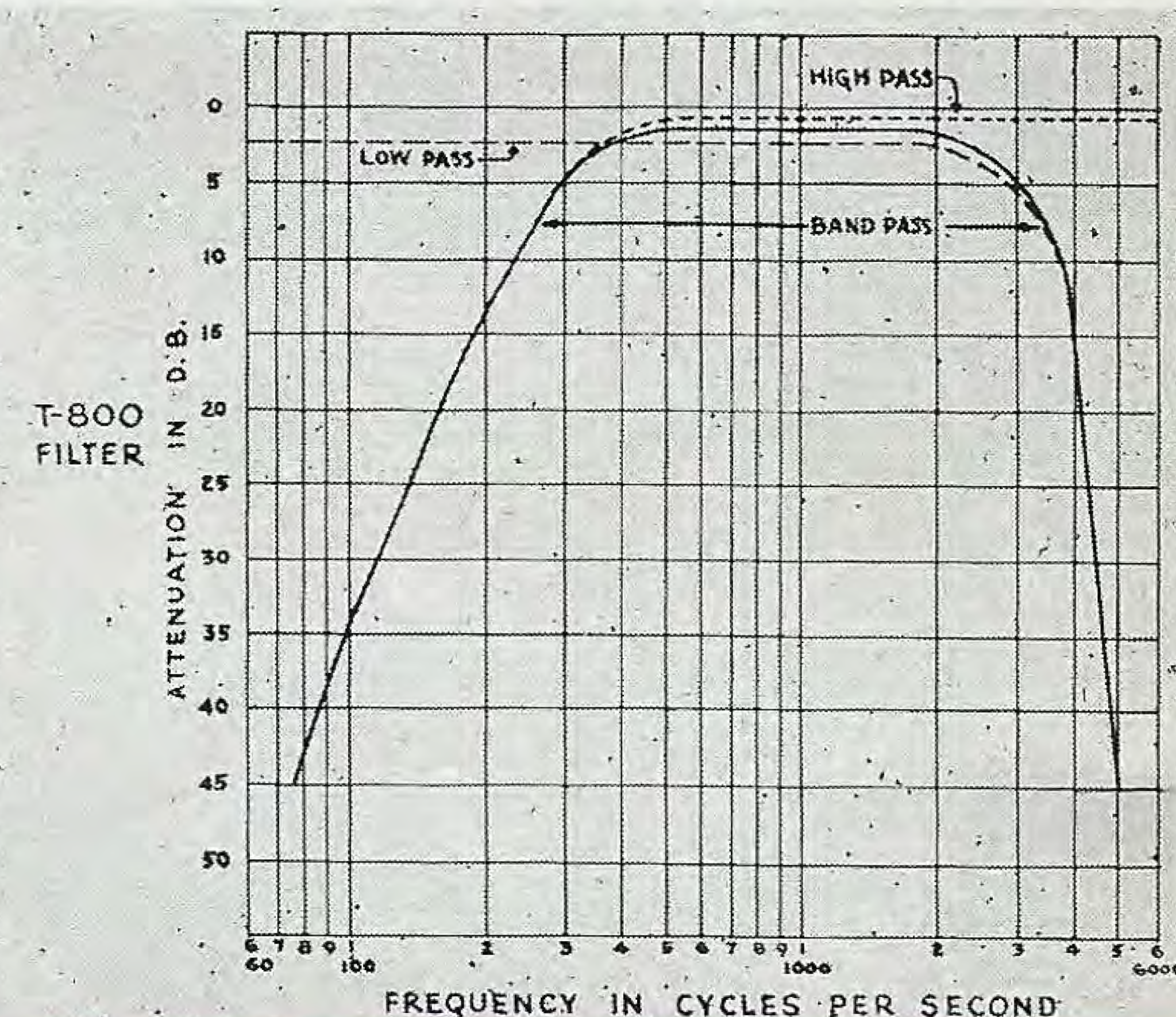
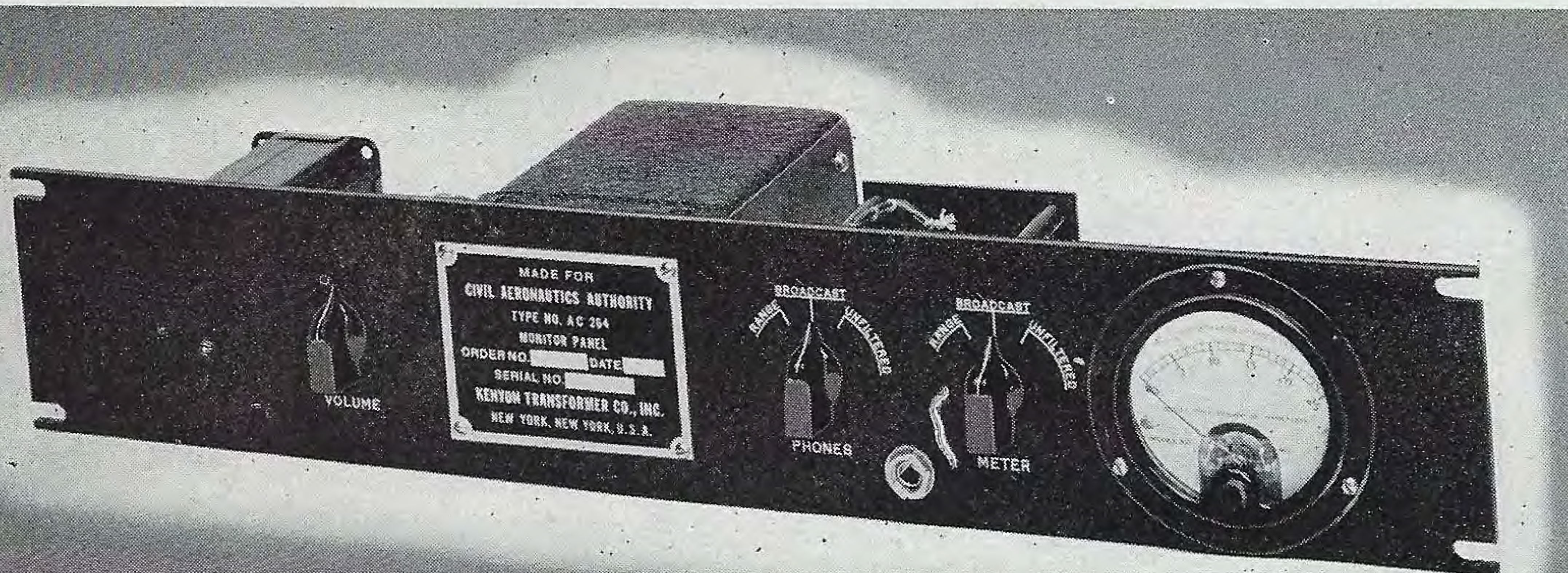
Type No.	High Pass — Low Pass or Band Pass				List Price
	Primary Ohms	Max. Level	Secondary Ohms	Case	
T-800	vc/500/10,000	+30 db.	vc/500/10,000	4A	15.00

APPLICATION

Input		Output	
1. Speaker Terminals (VC)		Voice Coil	
2. 500 ohm line		Voice Coil	
3. 10,000 ohm plate or line		Voice Coil	
4. Voice Coil		500 ohms	
Input		Output	
5. 500 ohms		500 ohms	
6. 10,000 ohm plate or line		500 ohms	
7. 500 ohm line or V.C.		Single Class A Grid	
8. 10,000 ohm plate		Single Class A Grid	

BELOW: TYPICAL FILTER MADE FOR C. A. A.

T-800 FILTER CHART

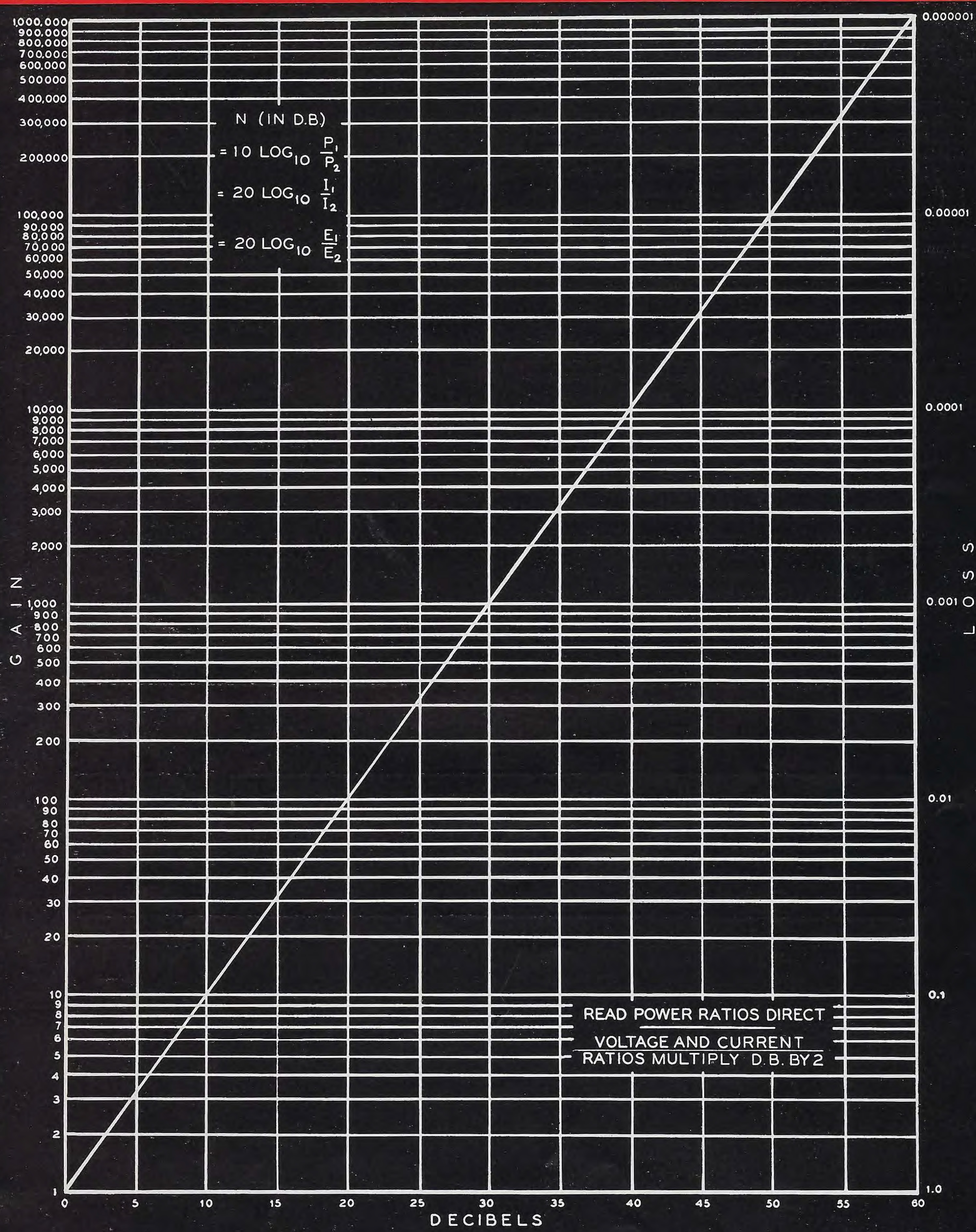


Made for All Major Airlines, C.A.A., etc.



KEN-O-GRAF

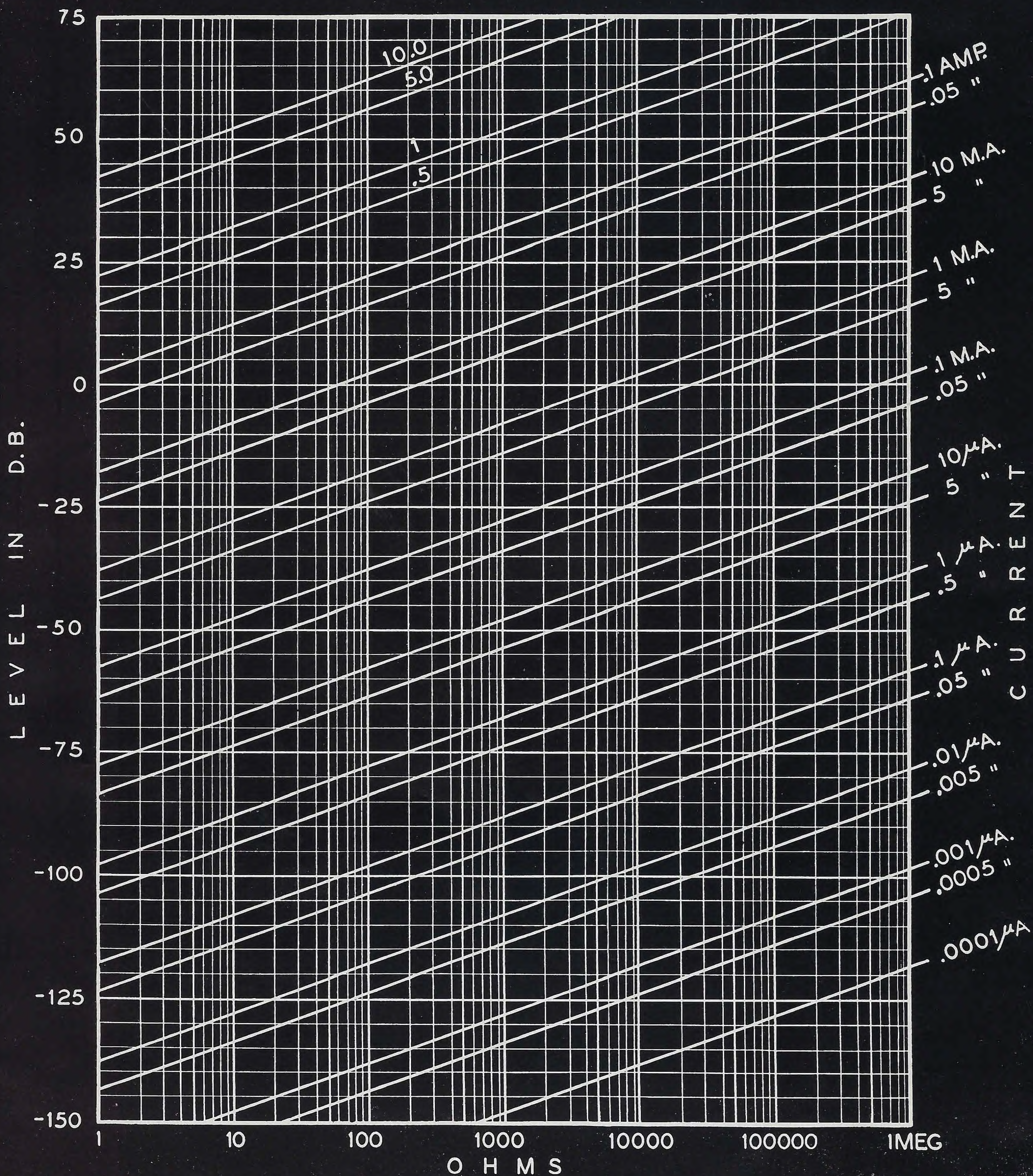
CONVERTING LOSS OR GAIN INTO DECIBELS



Handy Ken-O-Grafs Save Valuable Time

KEN-O-GRAPH

OHMS - CURRENT - DECIBELS CONVERSION GRAPH

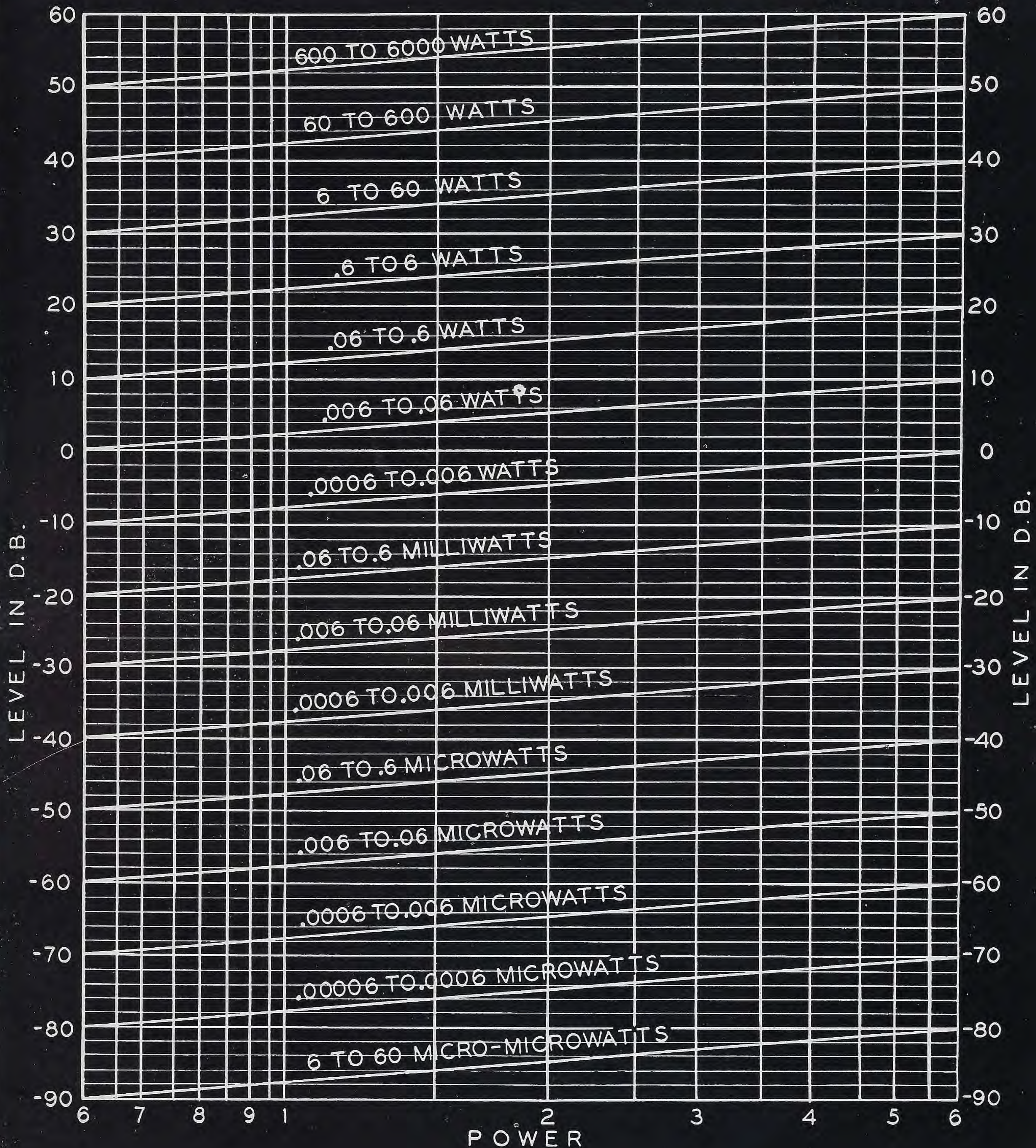


This graph may be used to find ohms, current and level in decibels, e.g.: What is the level in decibels at 600 ohms at a current of 10 M.A.? Enter the graph at the bottom (ohms) at 600 ohms and read up to where the slanting 10 M.A. line intersects. From this point, project horizontally to the left, and read +10 db. Based on .006 watts at zero level.



KEN-O-GRAF

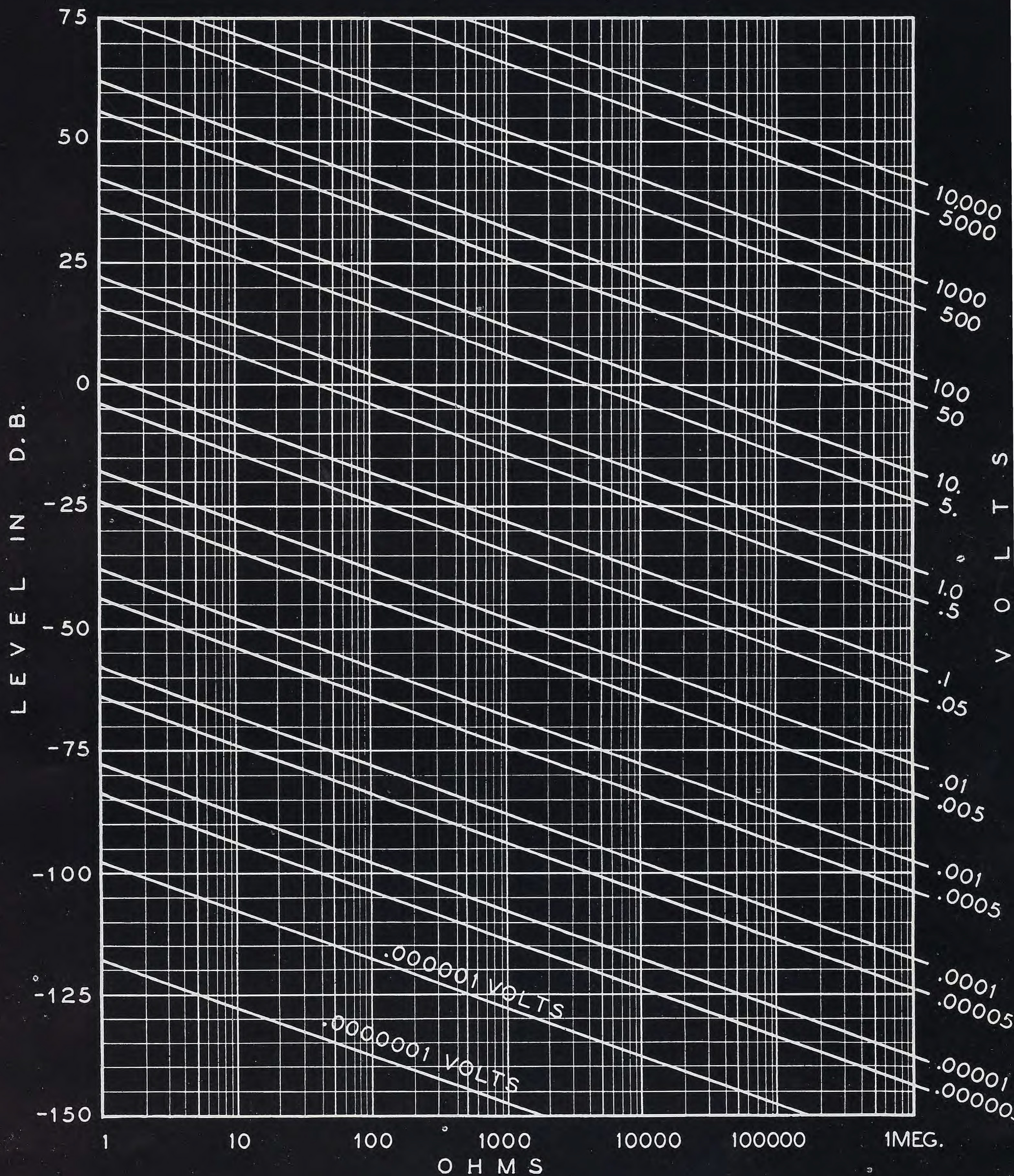
WATTS - VS - DECIBELS



To convert power to decibels or to convert decibels to power—Example:—What level in DB. is represented by 30 watts of power? Enter bottom of chart on vertical line marked "3". At the intersection of this line and the diagonal marked "6 to 60 watts", project a horizontal line to the left and read 37 DB. If 50 watts were the power, the vertical marked "5" would be used, or if 70 watts were the power the vertical marked "7" would be used, etc. Based on .006 watts at zero level.

KEN-O-GRAF

OHMS - VOLTAGE - DECIBELS CONVERSION GRAPH

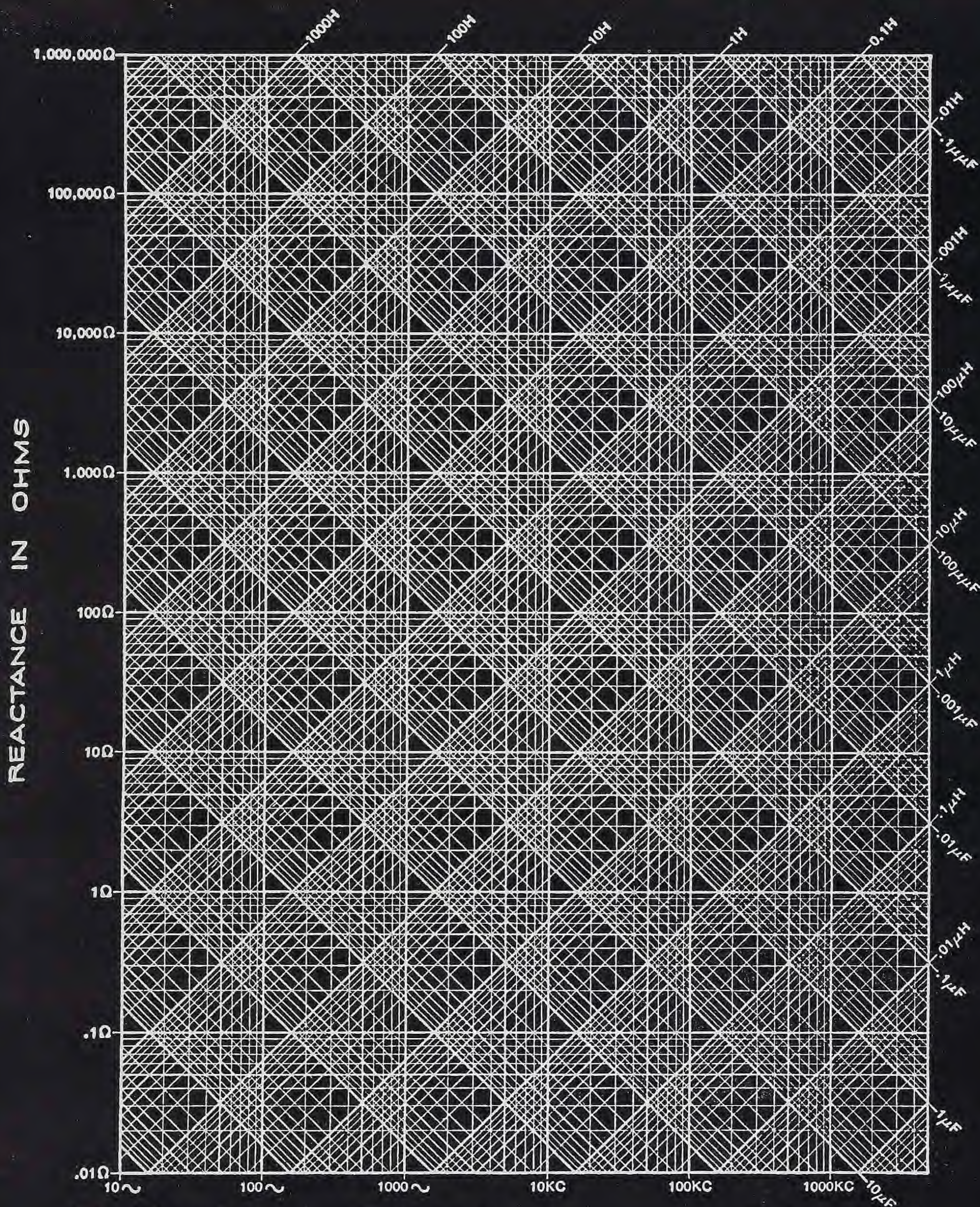


This graph may be used to find ohms, volts, and level in decibels, e.g.: What is the level in decibels at 500 ohms at a voltage of 1 volt? Enter the graph at the bottom (ohms) at 500 ohms and read up to where the slanting 1 volt line intersects. From this point, project horizontally to the left, and read -5 db. Based on .006 watts at zero level.



KEN-O-GRAF

REACTANCE - CAPACITY - INDUCTANCE - RESONANT FREQUENCY



KC=kilocycles

Ω=ohms

μF=microfarads

μμF=micromicrofarads

H=henries

μH=microhenries

To find reactance of 1 mfd. at 1000 cycles follow the 1 mfd. line (slanting UP from right to left) until it intersects the vertical line marked 1000 cycles; project horizontally to the left and read 160 ohms.

To find the reactance of 1 henry at 1000 cycles follow the 1 henry line (slanting DOWN from right to left) until it intersects the vertical line marked 1000 cycles; project horizontally to the left and read 6300 ohms.

To find resonant frequency of 1 mfd. and 1 henry follow these lines to their intersection and project vertically to the bottom scale to read 160 cycles. Courtesy Bell Laboratories

WHEN LIVES ARE IN THE BALANCE



In the Air...



On Land...



Wherever Dependability is the prime consideration, Kenyon Transformers are usually the first choice of the engineer because he knows from long experience that Kenyon Transformers are built to meet specifications—PLUS!

Typical of the reliability which is placed on Kenyon Transformers is the fact that they may be found in the air, on land, under the sea in mobile equipment of the United States Government where the very lives of men may depend upon unfailing reliability. Day in and day out in many other walks of life Kenyon Transformers are proving their dependability—in a less spectacular manner, perhaps—but none the less efficiently.

Regardless of the conditions—whether under the exigencies of war in which equipment is taxed to the limit or in more peaceful pursuits, you will find Kenyon Transformers serving with satisfaction.

Illustrated above:—Kenyon 'A' Line Transformer
Illustrated below:—Kenyon Simultaneous Range Filter



Under the Sea...



PHOTOS BY U. S. ARMY SIGNAL CORPS

Kenyon Transformers are Dependable

In compiling this catalog, it has been our endeavor to bring to you a clear, comprehensive and honest picture of the products which we manufacture. Although justifiable pride in accomplishment often fosters the wish to exclaim, "the finest", we hesitate to make any claim to such a high and unique honor.

Let it suffice to say that it is our sincere desire to manufacture the best transformers that our long experience and highly skilled craftsmen can possibly make at prices that are reasonable and right for the quality thus produced.

It is this policy which has won for Kenyon Transformers the respect and admiration of men in high places who know that it is sound economy to pay a little more for a superior product. These are the men to whom we say, "Thank you" . . . and to whom we pledge a continuance of the policy which has merited such confidence by acclamation.

KENYON TRANSFORMER COMPANY, Inc.

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