



Quality Easily Recognized



BULLETIN 926

GENERAL RADIO

QUALITY APPARATUS



TRADE MARK

Manufactured by the
GENERAL RADIO CO.
Cambridge, Mass. U.S.A.



Every instrument is guaranteed.

It has been the aim of this company to contribute only quality instruments to the radio and electrical industry. In many cases the present the result of years of development work and investigation in the design. Radio Company are the result of careful engineering General Radio Laboratories. The instruments manufactured by the General Radio Company are the result of careful designing General Radio Laboratories.

Miscellaneous Apparatus
Recorders
Standards of Resistance
Decade Resistance Boxes
Low Loss Variable Air Condensers
Waveometers Hot Wire Ammeters
Standards of Inductance Ratio Arm Box
Variometers Audibility Meter
Precision Condensers Capacity Bridge
Decade Condensers Impedance Bridge
Oscillograph Galvanometer Shunt

These instruments include:

The products of the General Radio Company include not only those listed in this catalog, but also radio and electrical laboratory apparatus. Information and bulletins of special apparatus will be sent on request.

Low loss condenser design has received much attention, and the General Radio Company was the first in this country to supply such condensers commercially. It was also the first company to supply closed core audio frequency amplifying transformers, and has been foremost in supplying audio frequency transformers to AC-most in supplying audio frequency transmitters to broadcast stations. The great improvements in broadcasting station company the quality of transmission and improved loud speaker reproduction.

Since 1915 the General Radio Company has done much in scientific research and development work to promote the present-day efficiency of broadcast reception. Low loss condenser design has received much attention, and the General Radio Company was the first in this country to receive a patent for the purpose of developing and receiving.

Patented in 1915 for the purpose of developing and promoting the efficiency of broadcast reception.



FOREWORD



IN buying radio apparatus it is always well to remember that Radio is a Science depending upon definite electrical principles.

It, therefore, requires instruments that are scientifically correct — mechanically and electrically.

The radio apparatus described in this catalog has been developed by experienced radio engineers after extensive research and careful study of actual operating conditions. This development work has been conducted in the well-equipped electrical laboratories of the General Radio Company.

All General Radio parts are constructed to meet the most exacting requirements of radio broadcast reception, and are of the same high standard of materials and workmanship as the radio laboratory instruments manufactured by the General Radio Company.

The prices listed in this catalog are as low as the highest quality of materials, workmanship, and manufacturing methods permit. Prices are revised and correct to October, 1926, subject to change without notice.

The General Radio Company has endeavored to make it possible for the experimenter to obtain its products with a minimum of effort. A careful selection of distributors and dealers has been made. They are best fitted to serve you. If, however, you are unable to obtain our products in your particular locality they will be delivered to you, postpaid, direct from the factory upon receipt of list price.

When ordering by telegraph specify quantity and our code word.

Unless otherwise instructed we shall use our own judgment regarding method of shipment.

GENERAL RADIO CO.

30 State Street

Cambridge, 39, Mass.



The UNIVERSAL STANDARDS of RADIO

Type 400 Power Amplifier and Plate Supply, without tubes..... \$68.00
 Dimensions 15 $\frac{1}{4}$ " x 7" x 7". Weight 18 $\frac{1}{4}$ lbs.

Code Word: "ANNUL."

Tap	Open circuit	Rate of drop per milliamper	130
45	50	2.35	90
45	118	3.57	118
45	179	2.92	179

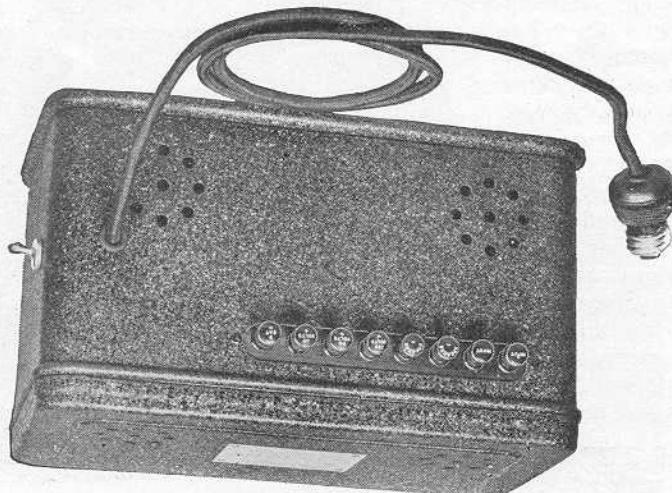
Voltage drops at the various taps per milliamper load are as follows:
 UX-171 power tube in the amplifier.
 The Type 400 unit uses the Rectoron UX-213 rectifier tube and the unifilming service.
 Once installed it requires no further attention and is ready for years of sealed from dust and moisture.

Voltages in this unit are controlled by fixed resistances, which are tightly resistancce voltage controls to get out of order and cause noisy reception. An outstanding feature of the Type 400 unit is that it has no variable most common cause of distortion in loudspeaker operation.
 This overcomes the tendency toward overloading and removes the convenient use of a high power tube in the last amplifier stage.

The Power Amplifier in conjunction with the plate supply permits the use of dry cell tubes.
 It is designed for use with all popular makes and circuits of radio receivers regardless of whether they may be operated by storage battery the power amplifier.

The Type 400 Power Amplifier and Plate Supply is designed to operate

POWER AMPLIFIER AND PLATE SUPPLY TYPE 400



GENERAL RADIO PARTS AND ACCESSORIES



GENERAL RADIO

PARTS AND ACCESSORIES



Type 405

and noisy tendencies of variable resistance voltage controls.

The Type 405 unit has four positive plate voltage taps, providing voltages of 45, 90, 130 and 200.

The voltage drops at the various taps per milliamperes load are as follows:

Tap	Open	Rate of drop per milliamperes
45	55	2.35 volts
90	132	3.50 volts
130	205	3.10 volts
200	260	1.80 volts

Type 405 Plate Supply, with BH Raytheon Tube.....\$46.00

Dimensions 9½" x 7" x 6". Weight 13 lbs.

Code Word: "ANODE."

TYPE BH RAYTHEON TUBE

The Raytheon tube possesses characteristics which make it particularly well suited to use in the plate supply circuit. Unlike the thermionic tubes, the Raytheon tube has no filament. This feature not only removes a possibility of accidental damage to the tube, but also eliminates the limiting factor of the ordinary type of tube's life. It will supply enough current for multi-tube sets, its maximum output being 80 milliamperes.

Another feature of this tube is that by the inclusion of two anodes, double wave rectification is secured in one tube. This results not only in a great increase in the efficiency of the device, but also reduces the amount of hum in the output.

Type BH Raytheon Rectifier Tube.....\$6.00
Code Word: "RAYTHEON."



TYPE 405 PLATE SUPPLY

The Type 405 Plate Supply is similar in general appearance and construction to the Type 400 except that it does not have the power amplifier feature. It is a thoroughly dependable source of plate voltage operating from 110 volt (60 cycle) A. C. The new Raytheon type BH tube is used as a rectifier. Voltages, as in the Type 400 unit, are readily adaptable to all popular makes and circuits of receivers by means of fixed resistances, thus eliminating bothersome



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In conjunction with rectifiers used in plate supply units some form of filter is necessary in order to eliminate the hum in the rectifier output. The filter is needed in order to meet this need. It is actually two chokes assembled in one case. The resistance is low, reducing the voltage lost in the chokes to a minimum. The resistors are brought out to the panel, so that the chokes may be connected in any type of filter system the constructor may desire.

In addition to the rectifier transformer, filter choke, socket, and tube several fixed condensers are used in the plate supply circuit. We are prepared to supply these condensers at the following prices:

0.1 M.F., \$0.70; 1 M.F., \$1.25; 2 M.F., \$1.75; 4 M.F., \$3.50	Clarostat Resistances for voltage control \$2.25
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Code Word: "TEPID."

Dimensions $4\frac{1}{4}'' \times 3\frac{3}{8}'' \times 4\frac{1}{2}''$. Weight $4\frac{3}{4}$ lbs.

Type 366 Filter Choke
Case as the 365 Transformer.

The Type 366 Filter Choke is mounted in the same type and size of case as the 365 Transformer.

FILTER CHOKES

Type 366

Code Word: "TENOR."
Dimensions $4\frac{1}{4}'' \times 3\frac{3}{8}'' \times 4\frac{1}{2}''$. Weight $4\frac{1}{2}$ lbs.
\$8.00

Type 365 Rectifier Transformer is mounted in a black japanned metal case which provides both complete shielding and an attractive assembly.

The 365 Transformer is used to operate one stage of power amplification. It is possible to use it as a filament supply for a power amplifier. The 365 may be used as a rectifier or in case the Raytheon tube is used to light the filament of a thermionic rectifier, or in case winding may be used to either single or double wave rectifiers. The low-voltage former adapted to either combination of windings makes the Type 365 Transformer secondarily. This combination of two sections of 275 volts each. There high voltage secondary is designed for a 110-volt 60-cycle circuit. The high voltage section consists of two sections of 7.5 volts each.

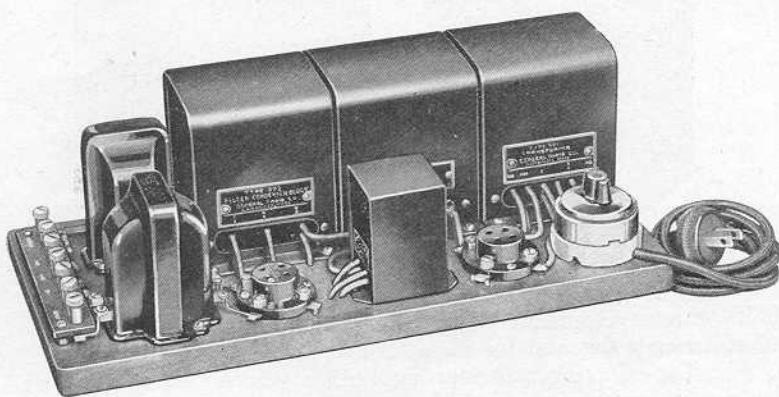
The primary is a wide range of applicability to various rectifying devices. The Type 365 Transformer has been developed especially for this use and has a wide range of applicability to various rectifying devices.

With the development of satisfactory and reliable rectifying devices

RECTIFIER TRANSFORMER

Type 365





Type 390

RECTRON POWER AMPLIFIER AND PLATE SUPPLY KIT

The above illustration shows the Type 390 Rectron Plate Supply and Power Amplifier kit fully assembled and ready for operation.

This unit is supplied in knocked down form similar to the Type 395 Raytheon unit shown on the opposite page.

The kit contains all parts necessary to the construction of a Power Amplifier and Plate Supply using the UX-213 Rectron Rectifier tube and UX-171 Power Tube in the amplifier and includes a drilled baseboard, cord with wall plug, switch, binding post strip, binding posts, and all screws and nuts. In characteristics and performance it is exactly the same as the complete Type 400 unit described on page 9231.

The assembled unit operates from 110 volt (60 cycle) A. C. and provides voltages of 45 and 90, for the receiver and supplies a plate voltage of 180 direct to the power tube together with the necessary grid bias for this tube.

Type 390 Rectron Kit, without tubes.....\$47.50

Dimensions 15" x 7½" x 4¾". Weight 17½ lbs.

Code Word: "ANVIL."



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Code Word: "APART."

Dimensions 15" x 7½" x 4¾". Weight 17 lbs.

Type 395 Raytheon Kit, without tubes \$50.00

This unit may be easily assembled and operated by the most inexperienced amateur builder in a single evening. Baseboard is supplied all drilled and screwless and nuts. The instrument may be readily mounted and wired. The kit consists of a Type 365 Rectifier Transformer, Type 366 Filter Cock, all necessary by-pass condensers, resistances, a cord with wall plug, switch, binding posts so that the instrument may be readily mounted and wired. The kit includes a popular radio receiver in a single cabinet. Baseboard is supplied all drilled and sealed from dust and moisture.

Voltages are adjusted by means of fixed resistances which are tightly sealed from dust and moisture. It operates from 110 volt (60 cycle) A. C. and is readily adaptable to all popular radio receiver circuits.

The plate of the UX-171 power tube of the amplifier together with the necessary grid bias for this tube. The UX-171 provides voltages of 45 and 90 for the receiver and 180 for a rectifier and provides voltages of 45 and 90 for the new Type BH Raytheon tube as a rectifier and designed to use the new Type BH Raytheon tube. The Type 395 kit is designed to use the previous tube. This unit is supplied down form as shown above, and when assembled is similar in appearance to the unit described on the previous page.

RAYTHEON POWER AMPLIFIER AND PLATE SUPPLY KIT

Type 395



PARTS AND ACCESSORIES
GENERAL RADIO



GENERAL RADIO

PARTS AND ACCESSORIES



- Type 285
1 to 6 ratio
- Type 285-L
1 to 2 ratio
- Type 285-D
1 to 3 ratio

TYPE 285 AUDIO AMPLIFYING TRANSFORMERS

In order to improve both the upper and lower ends of the amplification curve, transformers must be designed in such a way that they will not have a high distributed capacity, but at the same time will have high inductance values.

This has been accomplished in the new Type 285 transformers by using a larger core of a very high quality of selected steel and properly adjusting the coil turns.

In some instances a single stage of amplification using the 1:6 ratio transformer is satisfactory. Where additional amplification is required a second transformer having a lower ratio, 1 to 2, is provided. In many cases, particularly in the vicinity of broadcasting stations, two 1 to 2 ratio transformers are sufficient. This combination gives an intense volume with amazing purity of tone.

Type 285 Amplifying Transformer, 1 to 6 ratio.....\$6.00
Code Word: "TOKEN."

Type 285L Amplifying Transformer, 1 to 2 ratio.....\$6.00
Code Word: "TOPAZ."

The new General Radio Type 285-D has been designed specifically for use in the first stage of audio amplification following the new 200A detector tube. It produces very noticeably better tone quality than is possible with other transformers having a lower input impedance.

The transformer, however, gives excellent results with other tubes in either the first or second stage of amplification, but is particularly recommended for the UX-200A. It has a turns ratio of 1:3.

Type 285-D Audio Transformer.....Price \$6.00
Code Word: "TOTEM."

Dimensions 3½" x 3¼" x 2½". Weight 1½ lbs.



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\$5.00

Type 369 Coupling Impedance.....
Dimensions $3\frac{1}{2}'' \times 3\frac{1}{4}'' \times 2\frac{1}{2}''$. Weight $1\frac{1}{2}$ lbs.

Code Word: "TONIC."

Those who are familiar with the use of resistance or impedance coupled amplifiers will find in the Type 369 a coupling impedance that will give them a combination of amplification and quality they have long been waiting for. The Type 369 Coupling Impedance is mounted in a black jarpaned metal case, identical in size and appearance with the Type 285 Transformers. These chokes has the added advantage that less plate voltage is required to the use of resistances.

By using a choke of sufficiently high induction, a quality of reproduction may be obtained which could not be distinguished from that obtained by the use of resistances, and a larger amplifier section per stage secured. The use of other methods of coupling if one is willing to dispense with the gain in amplification due to the transformer.

TYPE 369 COUPLING IMPEDANCE



PARTS AND ACCESSORIES
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PARTS AND ACCESSORIES

Type 387

SPEAKER FILTER



The Type 387 Speaker Filter is designed to adjust the impedance of all standard amplifier tubes to the cone type Western Electric and other similar speakers, thus producing a very noticeable improvement in quality of reproduction.

The action of most loudspeakers is affected by plate currents of more than a few milliamperes and the function of the filter is to protect the speaker windings from the direct current while allowing an unimpeded flow of alternating frequency current.

The 387 is capable of covering a very wide frequency range so that no distortion is introduced and may be used in an impedance range of from 3,000 to 25,000 ohms. In installing the Type 387 it is simply necessary to connect the filter primary to the output of the amplifier and the secondary to the speaker unit.

Type 387 Speaker Filter.....Price \$6.00

Dimensions 3½" x 4" x 4⅛". Weight 3 lbs.

Code Word: "TOWEL."

Type 367

OUTPUT TRANSFORMER

This transformer is similar in appearance to the Type 285 Amplifying Transformer and is particularly adapted to use between the UX-112 tube and a Western Electric or similar cone type loudspeaker. It serves to adapt the output impedance of the amplifier tube to the input of the speaker, with the result that very marked improvement in tone quality is produced. In connecting this instrument in the circuit it is simply necessary to connect the primary to the amplifier output and the secondary to the speaker input.

Type 367 Output Transformer.....Price \$5.00

Dimensions 3½" x 3¾" x 2½". Weight 2½ lbs.

Code Word: "TESTY."



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Code Word: "TABLE."

Dimensions $2\frac{3}{4}'' \times 2\frac{3}{4}'' \times 2\frac{1}{2}''$. Weight 8 oz.

Type 331 Tuned (30 K.C.) Transformer \$5.00

The Type 331 Transformer has an air core and has close coupling between the primary and secondary windings. The fixed tuning condenser is mounted inside of the attractive moulded bakelite case that encloses the unit. The mounting holes are the same as those of the Type 271 Transformer. The Type 331 Transformer is three Type 271 Transformers and one Type 331. The amplifier is narrow a band as it is practical to work, a tuned or filter transformer should be used in the output stage. The Type 331 Tuned Transformer provides the necessary tuning to enable the Type 271 Transformers to be used at their peak frequency. An excellent combination for 30 K.C. In some circuits amplification at the peak frequency of the medium frequency transformers is desirable. In order that this amplification may be over as narrow a band as possible, a tuned or filter transformer is required to be used in the output stage. The Type 331 Tuned Transformer is three Type 271 Transformers and one Type 331.

TUNED TRANSFORMER

Type 331

Code Word: "TULIP."

Dimensions $2\frac{1}{2}'' \times 2\frac{1}{4}'' \times 1\frac{1}{2}''$. Weight 6 oz.

Type 271 Medium Frequency Transformer \$5.00

The whole unit is enclosed in an attractive Japanese fitted case with convenient mounting holes and terminal posts with binding screws. The whole unit is separated from the metal case by a small gap. The transformer is shielded both electrostatically and electromagnetically, making it possible to use several of these transformers in cascade with a separation as small as one inch.

The transformer is shielded both electrostatically and electromagnetically, making it possible to use several of these transformers in cascade with a separation as small as one inch.

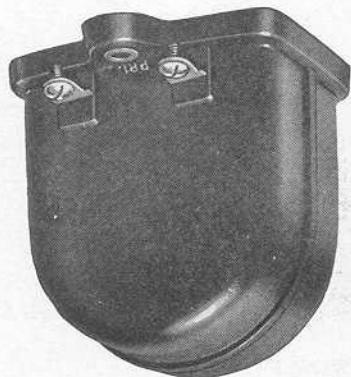
The working range is from 7000 to 12,000 meters with a peak reception. The wave length of a medium frequency transformer for use in long wave reception is 10,000 meters.

The requirements of a medium frequency transformer for use in long wave reception are as follows: The working range is from 7000 to 12,000 meters with a peak reception. The wave length of a medium frequency transformer for use in long wave reception is 10,000 meters.

MEDIUM FREQUENCY TRANSFORMERS

Type 331

Type 271

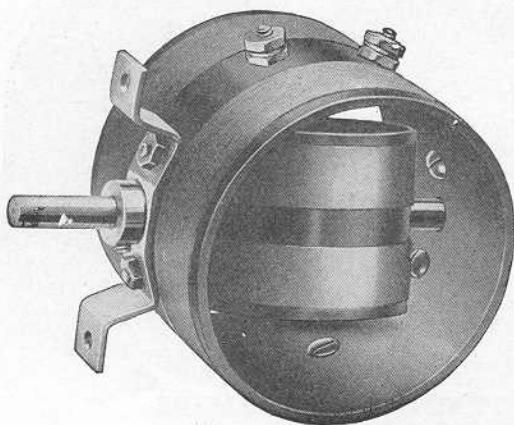




GENERAL RADIO

PARTS AND ACCESSORIES

TYPE 268 VARIO COUPLER



tionally accurate and smooth running so as to insure uniform operation over long periods of use.

Mounting to panel is by means of a convenient and rugged mounting bracket. Necessary screws and nuts are provided with each instrument.

Type 268 Variocoupler.....\$2.75

Dimensions 4" x 4" x 2½". Weight 6 oz.

Code Word: "VALET."

TYPE 269 VARIOMETER

The outstanding features of the Type 269 Variometer are its size and its efficiency of operation.

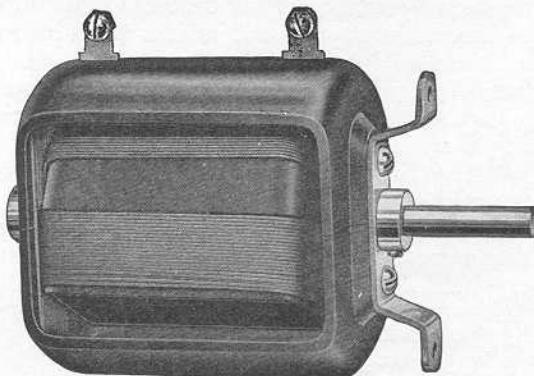
It is much smaller than the average variometer which gives it a decided advantage where compactness and portability of the set are considerations. It is equally efficient mechanically and electrically and has a maximum to minimum inductance range of 660 to 60 microhenries.

The stator and rotor forms are of genuine moulded bakelite, wound with green silk covered wire. Terminals are very accessible, and a soldering lug is provided for using the instrument in circuits requiring split variometer connections. The bearings are accurate and very smooth running.

All metal parts are brass with nickel finish. Panel installation is made easy by a convenient mounting bracket.

Type 269 Variometer.....\$5.00
Dimensions 4¾" x 3" x 1¾".

Weight 7 oz.
Code Word: "VALID."



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Type	Wave Length	Code Word	Price
277-A	50 to 150 meters	VALOR	\$1.25
277-B	100 to 300 meters	VAPID	1.25
277-C	200 to 600 meters	VENUS	1.25
277-D	300 to 900 meters	VIRUS	1.50
277-E	300 to 600 meters	VENUS	1.25
277-F	100 to 300 meters	VAPID	1.25
277-G	50 to 150 meters	VALOR	\$1.25
277-H	Unwound Coil Form	VIGOR	.75
277-I	Coupling Coil, 100 to 300 meters	VIPER	1.50
277-J	Coupling Coil, 200 to 600 meters	VIGIL	1.50
277-K	300 to 900 meters	VIRUS	1.50
277-L	200 to 600 meters	VENUS	1.25
277-M	100 to 300 meters	VAPID	1.25
277-N	50 to 150 meters	VALOR	\$1.25
277-O	Coupling Coil, 100 to 300 meters	VENUS	1.25
277-P	Coupling Coil, 200 to 600 meters	VIRUS	1.50
277-Q	Coupling Coil, 300 to 900 meters	VENUS	1.25
277-R	Coupling Coil, 200 to 600 meters	VAPID	1.25
277-S	Coupling Coil, 100 to 300 meters	VALOR	\$1.25
277-T	Unwound Coil Form	VIGOR	.75

COIL MOUNTING ACCESSORIES

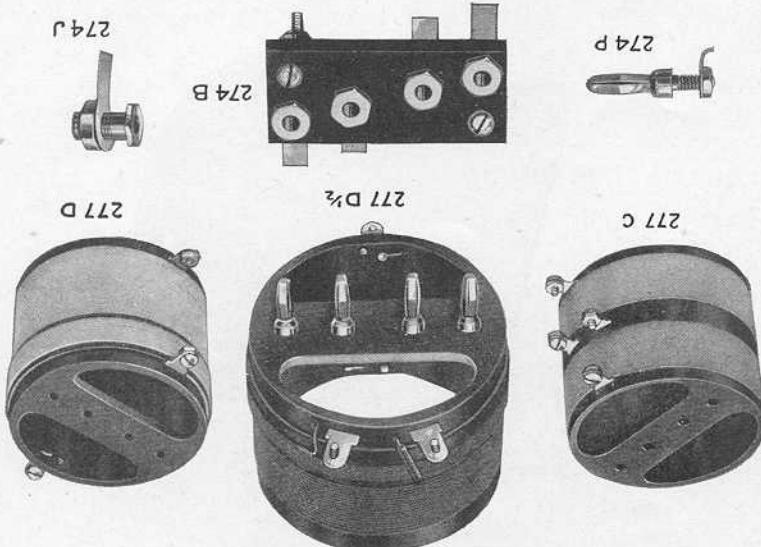
Dimensions $3\frac{1}{2}'' \times 2\frac{1}{4}''$. Weight 5 oz.

274-A	Base with 3 jacks	274-B	Base with 4 jacks	274-C	Base with 2 jacks	274-D	Contact Plugs	274-E	Jacks
\$0.90		1.00		.75		.75		.75	
ea.		ea.		ea.		ea.		ea.	
ea.		ea.		ea.		ea.		ea.	
ea.		ea.		ea.		ea.		ea.	

and coils may be used interchangeably in the coil mounting bases.
Mounting holes are arranged so that Type 274-P Plugs may be inserted
ranges of 50-150, 100-300, and 200-600 meters respectively.
When used with 500 M.M.F. condensers these coils have wavelength
of the 277-D $\frac{1}{4}$, D $\frac{1}{2}$, and D coils are .014, .055, and .217 millihenries respectively.
The inductances of the 277-A, B, and C coils and of the large windings
small primary winding.

Models A, B, and C have single windings and are wound in two
sections so that the mid point may be obtained or coupling turns added
at the center point. Models D, D $\frac{1}{2}$, and D $\frac{1}{4}$ are coupling coils with a
ratio so chosen, and the construction such that they have very low losses.
The Type 277 Coils are shaped in ratio of diameter to length, the mate-

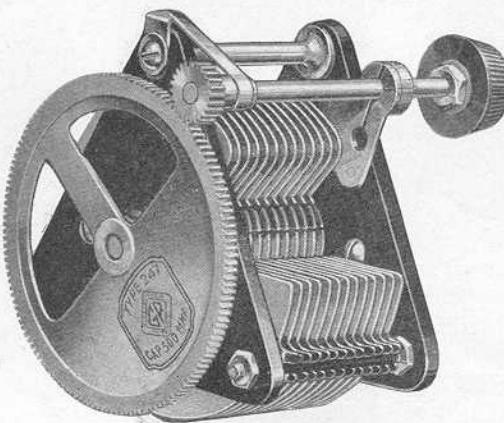
INDUCTANCE AND COUPLING COILS





GENERAL RADIO

PARTS AND ACCESSORIES



TYPE 247-H

VARIABLE CONDENSER with Vernier Gear

The tuning of radio circuits can best be accomplished both from a range and simplicity viewpoint by the use of variable condensers. Because of this, much attention has been given to their design with the result that today high quality condensers are available at very moderate prices.

The General Radio Company has been very closely associated with condenser development and has contributed much to the science of radio in condenser design. In 1915 it supplied the first low loss type of condenser.

During the war General Radio condensers were used by the U. S. government in connection with superheterodyne and other circuit developments. In 1922 the present low loss soldered type was introduced.

Type 247-H, 500 M M F. Panel mounting, with gear.....	\$5.00
Dimensions 4" x 4" x 4½". Weight 1½ lbs.	
Code Word: "COMIC."	
Type 247-P, 350 M M F. Panel mounting, with gear.....	\$4.75
Dimensions 4" x 4" x 4½". Weight 1 lb.	
Code Word: "ABBEY."	
Type 247-M, 250 M M F. Panel mounting, with gear.....	\$4.50
Dimensions 4" x 4" x 4". Weight ¾ lb.	
Code Word: "CIGAR."	



The UNIVERSAL STANDARDS of RADIO



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Type 247-F, 500 M F, Panel mounting, without gear	Code Word: "COCOA".	Dimensions 4" x 4" x 4". Weight 1 lb.
Type 247-N, 350 M F, Panel mounting, without gear	Code Word: "ABASE".	Dimensions 4" x 4" x 4 1/8". Weight 1 lb.
Type 247-K, 250 M F, Panel mounting, without gear	Code Word: "CARGO".	Dimensions 4" x 4" x 4". Weight 7/8 lb.
\$4.00	\$3.75	\$3.50

To secure smoothness in operation and uniformity of turning torque all rotors are carefully counter balanced. Where slow motion is desired to secure fine settings the condensers are equipped with a gear and pinion. There are two general types of design, the insulated (hard rubber) and plate and the metal (aluminum) and plate type described on page 9246. The overall losses are essentially the same and the installation conditions will determine which type should be used. The Type 247 condensers are the hard rubber end plate type while the 34 and 374 series have metal end plates which are ground to the condenser rotors.

Plates, It also makes the entire assembly very rigid.

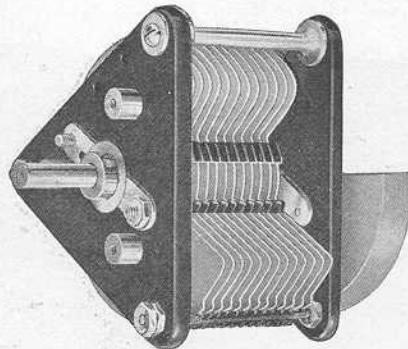
The plates uniformly spaced. This method of assembly not only insures accurate spacing but a low resistance and a permanent contact between the plates uniformly spaced. This method of assembly not only insures the plates uniformly spaced to be used and keeps specially constructed jigs which permit only flat plates to be used.

In the soldered plate type, the rotors and stators are each soldered in plates. The soldered plate type is more difficult to assemble than the riveted type.

The variable condenser consists of two sets of plates which are mounted on a central shaft. The plates are held in position by a central screw which passes through the center of the plates and is secured by a lock washer. The plates are held in position by a central screw which passes through the center of the plates and is secured by a lock washer.

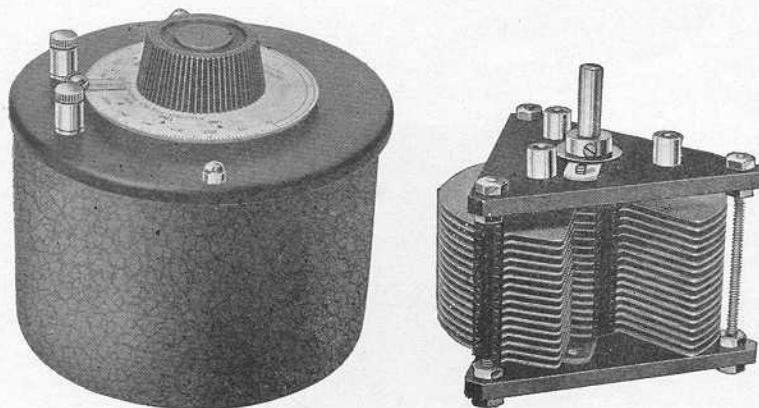
VARIABLE CONDENSER

Type 247-F





GENERAL RADIO PARTS AND ACCESSORIES



Type 247

MOUNTED VARIABLE CONDENSER

Experimental radio receiving sets require condensers capable of extreme accuracy in capacity variation. The Types 247-E, G, J, and L Condensers definitely meet this demand. They are mounted in a metal case finished with a black crystalline finish, the same as is used on expensive laboratory instruments. This case is grounded to the rotor plates, thus shielding the condenser and eliminating many of the disturbing effects due to bringing the hand near the condenser.

The minimum capacity of these condensers is approximately 20 micromicrofarads. This low value makes a wide range of wavelengths possible when the proper coils are used.

In addition to the regular degree graduations of the etched metal dial, this dial is marked with a scale to show capacity measurements in micromicrofarads. This is a unique and valuable feature for radio receiving condensers, and it enables the operator to know at all times just what capacity he is using.

Type 247-E, 500 M M F. mounted, without gear.....	\$6.25
Dimensions 5" x 5" x 4½". Weight 2 lbs.	
Code Word: "COUPE."	
Type 247-G, 500 M M F. mounted, with gear.....	\$7.25
Dimensions 5" x 5" x 5⅛". Weight 2¼ lbs.	
Code Word: "COLIC."	
Type 247-J, 250 M M F. mounted, without gear.....	\$5.75
Dimensions 5" x 5" x 4½". Weight 1¾ lbs.	
Code Word: "CANON."	
Type 247-L, 250 M M F. mounted, with gear.....	\$7.00
Dimensions 5" x 5" x 4½". Weight 1¾ lbs.	
Code Word: "CAROM."	



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Type 374-B, 125 M F, capacity	\$3.75	Code Word: "BONUS."
Type 374-K, 250 M F, capacity	\$4.25	Dimensions $3\frac{3}{4}'' \times 3\frac{3}{4}'' \times 4\frac{1}{4}''$. Weight 1 lb. 2 oz.
Type 374-N, 350 M F, capacity	\$6.50	Dimensions $3\frac{3}{4}'' \times 3\frac{3}{4}'' \times 5''$. Weight 2 lbs.
Type 374-F, 500 M F, capacity	\$7.00	Dimensions $3\frac{3}{4}'' \times 3\frac{3}{4}'' \times 6''$. Weight 2 lbs. 2 oz.
		Code Word: "BOXER."
		Dimensions $3\frac{3}{4}'' \times 3\frac{3}{4}'' \times 6''$. Weight 2 lbs.
		Code Word: "BRAVO."

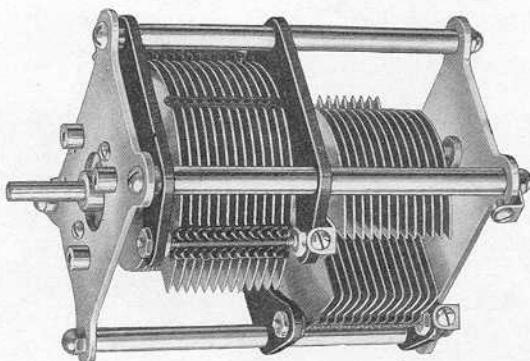
The general design of these condensers is the same as the Type 374 illustrated on the following page. The smaller area of the rotor treated and described on the following page, the number of plates used makes it necessary to use double the size of plates that are used in the straight line wavelength type to obtain the same capacity. In order to get the proper support, the 500 M F. size is made as a tandem balanced rotor type. Particular attention is called to the fact that the panel required is identical with that of the Type 374 Condensers. This economy of panel space is a very advantageous feature.

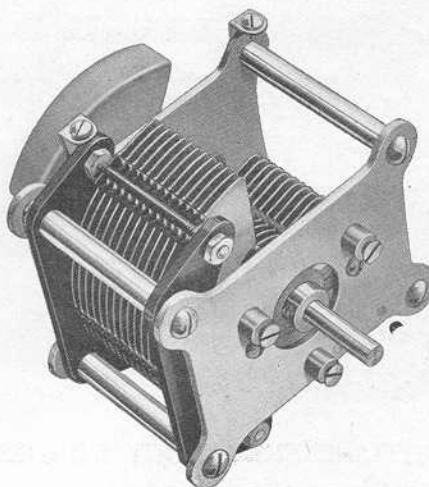
The straight line wavelength type to obtain the same capacity. In order to get the proper support, the 500 M F. size is made as a tandem balanced rotor type. Particular attention is called to the fact that the panel required is identical with that of the Type 374 Condensers. This economy of panel space is a very advantageous feature.

Grounded Rotor Type

STRAIGHTLINE FREQUENCY CONDENSER

Type 374-F





Type 334-F

VARIABLE CONDENSER

Grounded Rotor Type

In many popular receiving circuits the shielding of a condenser is important. To meet this specific need the Type 334 Condensers have been designed which have metal end plates and grounded rotor.

The rotor and stator units are the same as used in the Type 247 Condensers, and good conductivity is assured through solder-sealed contacts. The advantages of the soldered plate condenser are now well established in the minds of radio engineers.

End plates are of aluminum and condenser plates are of brass.

The Type 334 Condensers are made in panel mounting models only, with and without geared vernier.

For manufacturing uses we are prepared to supply this condenser in multiple sections under Hogan patent No. 1,014,002.

The construction of the Type 247 and 334 Condensers is also protected under General Radio patent No. 1,542,995.

Type 334-F, 500 M M F. Panel mounting, without gear..... \$4.25

Code Word: "BEGIN."

Type 334-H, 500 M M F. Panel mounting, with gear..... \$5.25

Code Word: "BELAY."

Type 334-N, 350 M M F. Panel mounting, without gear..... \$4.00

Code Word: "BESET."

Type 334-P, 350 M M F. Panel mounting, with gear..... \$5.00

Code Word: "BEVEL."

Type 334-K, 250 M M F. Panel mounting, without gear..... \$3.75

Code Word: "BELOW."

Type 334-M, 250 M M F. Panel mounting, with gear..... \$4.75

Code Word: "BERYL."

Dimensions 3 $\frac{3}{4}$ " x 3 $\frac{3}{4}$ " x 4 $\frac{1}{2}$ ". Weight 1 $\frac{1}{2}$ lbs.





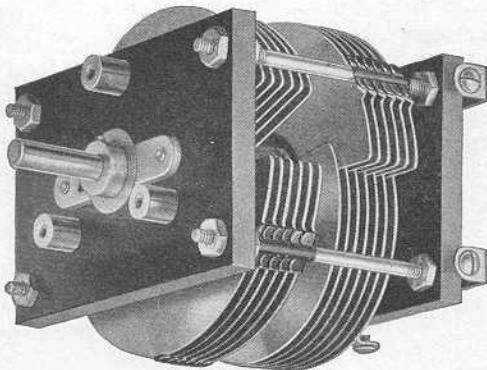
The UNIVERSAL STANDARDS of RADIO

Type 248-N, 2 units each of 350 M M F. capacity	\$6.15	Code Word: "ACORN." Dimensions $3\frac{1}{2}'' \times 3\frac{1}{4}'' \times 5\frac{1}{2}''$. Weight $1\frac{1}{2}$ lbs.
Type 248-K, 2 units each of 250 M M F. capacity	\$5.75	Code Word: "ABUSE." Dimensions $3\frac{1}{2}'' \times 3\frac{1}{4}'' \times 5\frac{1}{2}''$. Weight 1 lb. 10 oz.
Type 248-F, 2 units each of 500 M M F. capacity	\$6.50	Code Word: "ABODE." Dimensions $3\frac{1}{2}'' \times 3\frac{1}{4}'' \times 5\frac{1}{4}''$. Weight 1 lb. 4 oz.

Type 248 Tandem Condensers are standard General Radio spring bearing bearings, tight, yet smooth in operation, and designed to compensate for wear. These rotor units are on opposite sides of the shaft and perfectly balanced. The end plates are of hard rubber, rectangular in shape, and with the dielectric in a weak electrostatic field. The end plates are of hard rubber, rectangular in shape, and with the dielectric in a weak electrostatic field. These condensers are particularly compact and rugged. Terminals are different circuits or the total capacity of both sections may be connected to one circuit. These condensers are particularly compact and rugged. Terminals are so arranged that the capacities of the individual units may be connected to different circuits or the total capacity of both sections may be connected to one circuit. These condensers are particularly compact and rugged. Terminals are so arranged that the capacities of the individual units may be connected to different circuits or the total capacity of both sections may be connected to one circuit.

TANDEM CONDENSER

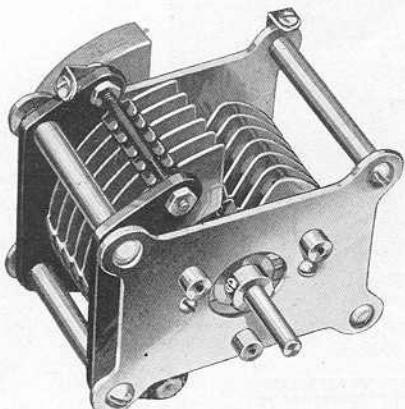
TYPE 248-K





GENERAL RADIO PARTS AND ACCESSORIES

TYPE 334 TRANSMITTING CONDENSER



The Type 334-T and V condensers are similar in appearance and assembly to all other Type 334 condensers except that they have double spacing for use in short wave transmitting on voltages up to 2000. They have metal end plates. Plates of the rotor and stator groups are soldered to insure perfect electrical contact. The Type 334 transmitting condensers are supplied with counter weights only.

Type 334-T Transmitting Condenser, Capacity 100 M M F., Price.....\$4.25
Code Word: "BILLY."

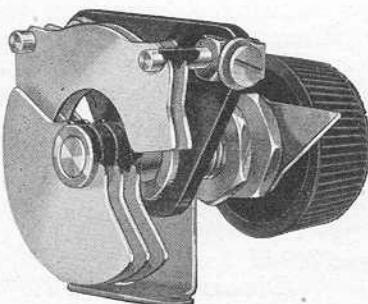
Type 334-V Transmitting Condenser, Capacity 50 M M F., Price.....\$3.75
Code Word: "BIPED."
Dimensions 3 3/4" x 3 3/4" x 4". Weight 1 lb. 4 oz.

TYPE 368 MICRO-CONDENSER

A small balancing condenser is often required in sets employing the recently developed circuits. Such a condenser should be as small as practical, and the mounting should be simple, preferably of the one-hole type. Such a condenser is available in the Type 368. This condenser has a maximum capacity of 15 M M F. It is of our standard low-loss soldered-plate type.

Type 368 Micro-Condenser, 15 M
M F \$1.25
Dimensions 2" x 2" x 1 1/8". Weight
2 oz.
Code Word: "BULLY."

Type 368-B Micro-Condenser 50 M M F.....\$1.50
Dimensions 2" x 2" x 2". Weight 2 1/2 oz.
Code Word: "BURIN."



The UNIVERSAL STANDARDS of RADIO

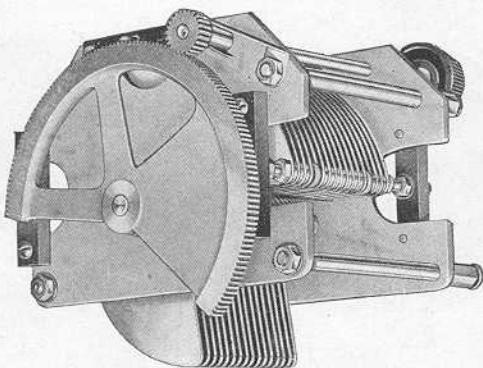


The UNIVERSAL STANDARDS of RADIO

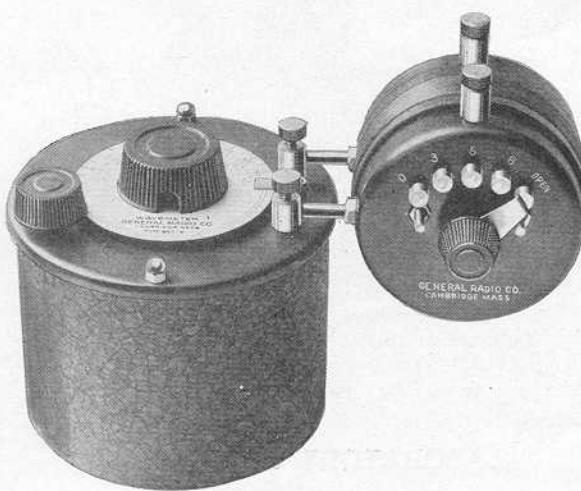
Type 239-L, 2000 M F, unmounted, with gear	\$16.50	Dimensions $4\frac{1}{2}'' \times 4\frac{3}{4}'' \times 6''$. Weight 3 lbs.	Code Word: "BEFIT."
Type 239-M, 2000 M F, unmounted, without gear	\$13.00	Dimensions $4\frac{1}{2}'' \times 4\frac{3}{4}'' \times 6''$. Weight 3 lbs.	Code Word: "BAYAN."
Type 239-G, 1000 M F, unmounted, with gear	\$13.50	Dimensions $4\frac{1}{2}'' \times 4\frac{3}{4}'' \times 6''$. Weight 2 lbs.	Code Word: "BASAL."
Type 239-H, 1000 M F, unmounted, without gear	\$10.00	Dimensions $4\frac{1}{2}'' \times 4\frac{3}{4}'' \times 6''$. Weight 2 lbs.	Code Word: "BARON."
<p>The Type 239 Condensers are supplied either with slow motion gear or counterweights by use of vernier dials shown on page 9261.</p> <p>A precise vernier adjustment is made possible on the models with counterweights.</p> <p>The rotor plates are ground to reduce body capacity. The plates are of aluminum and are so shaped as to give a nearly uniform waveform variation.</p> <p>The Type 239 Condensers are supplied either with slow motion gear or counterweights by use of vernier dials shown on page 9261.</p>			

LABORATORY CONDENSER

Type 239



PARTS AND ACCESSORIES
GENERAL RADIO



Type 247-W

WAVEMETER AND FILTER

The selectivity of a receiving set is greatly improved by a radio filter. Interference from various sources may also be reduced to a minimum by use of a reliable filter.

The Type 247-W Wavemeter is ideally adapted to this purpose. The filter coil may be connected either in series or parallel with the receiving set. When used in series connection a single interfering broadcasting station may be eliminated. The parallel filter is used to eliminate several interfering stations simultaneously and accept only one station within the filter range.

The range of the 247-W Wavemeter is 200 to 600 meters. Wave-lengths may be determined by direct readings from the condenser dial which is calibrated with an accuracy of 2%.

A full set of instructions accompanies each instrument.

Type 247-W Wavemeter and Filter.....	\$10.00
Dimensions 5" x 4½" x 8". Weight 2½ lbs.	
Code Word: "WAGON."	
When longer or shorter wavelengths are desired Types 247-W2, 247-W½, and 247-W¼ Extension Coils may be used interchangeably.	
Type 247-W2 Extension Coil (400-1200 meters).....	\$3.00
Dimensions 4" x 4" x 3". Weight 6 oz.	
Code Word: "VOCAL."	
Type 247-W½ Extension Coil (100-300 meters).....	\$3.00
Dimensions 4" x 4" x 3". Weight 6 oz.	
Code Word: "VIZOR."	
Type 247-W¼ Extension Coil (50-150 meters).....	\$3.00
Dimensions 4" x 4" x 3". Weight 6 oz.	
Code Word: "VIVID."	



The UNIVERSAL STANDARDS of RADIO



The UNIVERSAL STANDARDS of RADIO

Type 358 Wavemeter complete \$22.00
Dimensions 11 $\frac{3}{4}$ " x 7 $\frac{1}{4}$ " x 5 $\frac{1}{2}$ ". Weight 4 $\frac{1}{2}$ lbs.
Code Word: "UPPER".

The condenser, coils and chart are contained in a wooden box which provides proper protection for the instrument when not in use.

Coil A	14 to 28	Coil D	105 to 220
Coil B	26 to 56	Coil C	54 to 114
Coil C	26 to 56	Coil D	105 to 220
Coil D	14 to 28	Coil A	14 to 28

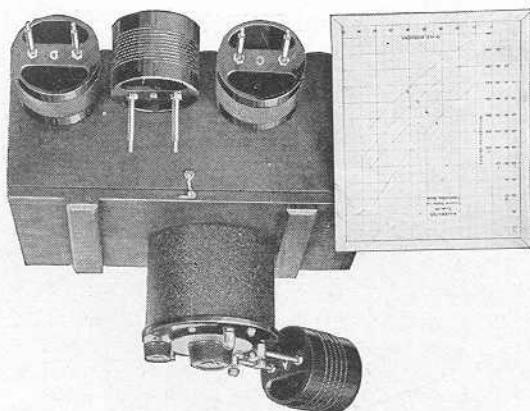
The wavelength range is covered by means of four coils. Each wave-meter is individually calibrated with an accuracy of 1%. A calibration curve is plotted for each coil and the curve sheet mounted on a substantial metal backing. The coil ranges, providing adequate overlaps, are as follows:

The lamp is removed. The lamp socket is so arranged that it is short circuited when the lamp is removed. The lamp is so arranged that it is short circuited when the lamp is removed.

Between the condenser and coil is a resonance indicator in the form of a series between the condenser and coil is a resonance indicator in the form of a series of a shieded condenser. The condenser capacity is 125 M.F. Mounted on the binding posts of a shieded condenser. The condenser capacity directly on the binding posts of a shieded condenser. The condenser mounting consists of a mechanically rugged coil of low loss construction, mounting consisting of a shieded coil of low loss construction. The wavemeter covers all the amateur bands in common use. The wavemeter covers a wavelength range of approximately 14 to 220 meters, covering all the amateur bands in common use.

AMATEUR WAVEMETER

Type 358

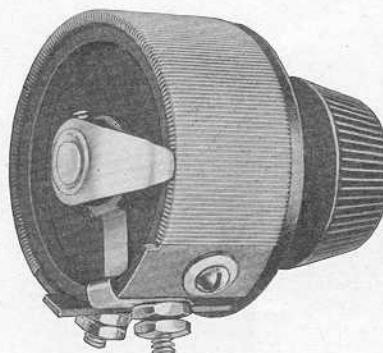


GENERAL RADIO PARTS AND ACCESSORIES



GENERAL RADIO

PARTS AND ACCESSORIES



Type 301

RHEOSTATS

Rheostats used in vacuum tube circuits must be so constructed and the contact so arranged that there is no possibility of a momentary opening of the circuit, or a sudden change of resistance in the circuit. Either of these would result in an objectionable click in the ear phones or loud speaker.

The resistance of the Type 301 Rheostat changes gradually and uniformly throughout its entire range, and thereby secures the same degree of control for all working conditions of the battery. With the tubes now available and with the gradual change of resistance provided by the Type 301 Rheostat no vernier attachment is necessary.

The resistance unit is tightly wound on a specially treated fiber strip. Genuine moulded bakelite is used for the base. A tapered knob with pointer indicates position of the contact arm. The shaft is $\frac{1}{4}$ " in diameter and is arranged to fit panels up to $\frac{3}{8}$ " thick.

Type 301 Rheostat	\$1.25
Dimensions	2" x 1 $\frac{3}{4}$ " x 2 $\frac{1}{8}$ ".	Weight 4 oz.
Resistance	Current	Code Word
6 ohms	1.00 amp.	PALSY
12 "	0.75 "	REMIT
25 "	0.5 "	RENEW

In ordering be sure to specify resistance desired.

POTENTIOMETERS

The potentiometer is similar in general construction to the rheostat except that a third connection is provided and it has a greater resistance.

Type 301—200 ohm Potentiometer	\$1.25
Dimensions	2" x 1 $\frac{3}{4}$ " x 2 $\frac{1}{8}$ ".	Weight 4 oz.
Code Word:	REBUS."	



The UNIVERSAL STANDARDS of RADIO



The UNIVERSAL STANDARDS of RADI

Type 410—200 ohm Potentiometer..... \$1.25

In general construction the potentiometer is similar to the rheostat except that a third connection is provided and it has a greater resistance.

Dimensions 2" x 1 $\frac{3}{4}$ " x 2 $\frac{1}{8}$ ". Weight 4 oz.

Code Word: "SATIN".

POTENTIOMETERS

In ordering, be sure to specify resistance desired.

Resistance	Current	Code Word
6 ohms	1.00 amp.	SABOT
12 "	0.75 "	SALON
25 "	0.5 "	SALTY

Dimensions 2" x 1 $\frac{3}{4}$ " x 2 $\frac{1}{4}$ ". Weight 4 oz.

Type 410 Rheostat..... \$1.25

mounted on panels up to $\frac{3}{8}$ " in thickness.

The shaft of the bushing is such that the rheostat may be easily mounted on panels up to $\frac{3}{8}$ " in thickness.

The base is of Bakelite, has an engraved pointer which indicates the position of the switch arm along the arc of the resistance unit.

The resistance wire is tightly wound on a specially treated fibre strip.

The resistance wire is wound on a fibre strip.

In electrical characteristics, the Types 301 and 410 are identically the same.

In electrical characteristics, the Types 301 and 410 are identically the same.

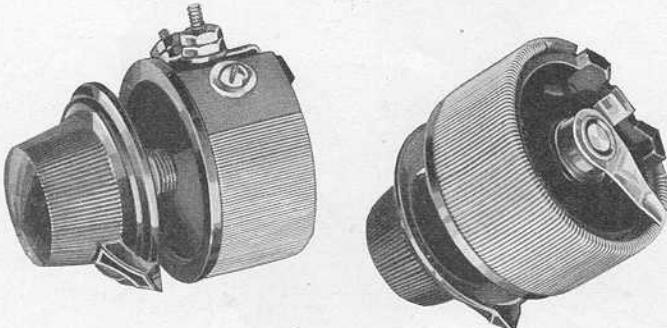
This method of mounting to the panel is preferred by many experimenters because it eliminates the bother of locating and drilling two mounting screw holes. In the case of the Type 410, the bushing for the shaft serves to mount the rheostat to the panel.

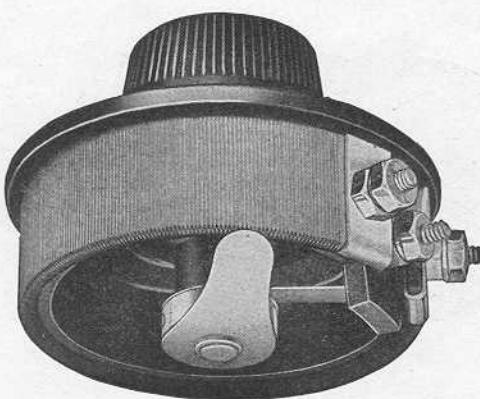
To the Type 301 rheostat described on the opposite page, except that they have the single hole mounting feature.

The Type 410 rheostats are similar in general appearance and construction to the Type 301 rheostat described on the opposite page, except that they

RHEOSTATS

Type 410





Type 214

RHEOSTATS

Where the best in rheostat construction is desired, and for laboratory use, the Type 214 is particularly recommended. This rheostat is made in two types, 214-A for back of panel mounting and 214-B for front of panel or table mounting. The Type 214 Rheostats are larger than the Type 301 Rheostats, and are therefore capable of a more gradual and accurate resistance control. It is similar in general construction to the Type 301, and embodies the best of materials and workmanship.

Type 214 Rheostat.....\$2.25
Dimensions 3" dia. x 2 $\frac{1}{4}$ ". Weight 7 oz.

		CODE WORD	
Resistance	Current	Type 214-A	Type 214-B
2 ohms	2.5 amp.	RUDDY	RUMOR
7 ohms	1.5 amp.	RURAL	RUSTY
20 ohms	0.75 amp.	RAZOR	READY
50 ohms	0.5 amp.	RAPID	RAVEL

POTENTIOMETERS

Many of the most efficient circuits now in common use require a potentiometer to control the grid potential. The Type 214 is supplied with a high resistance winding and a third connection which enables it to be used as a potentiometer capable of extremely fine voltage control.

Type 214—400 ohm Potentiometer.....\$3.00
Dimensions 3" dia. x 2 $\frac{1}{4}$ ". Weight 7 oz.
Code Word, Type 214-A, panel mounting: "ROSIN."
Code Word, Type 214-B, table mounting: "ROWEL."





The UNIVERSAL STANDARDS of RADIO

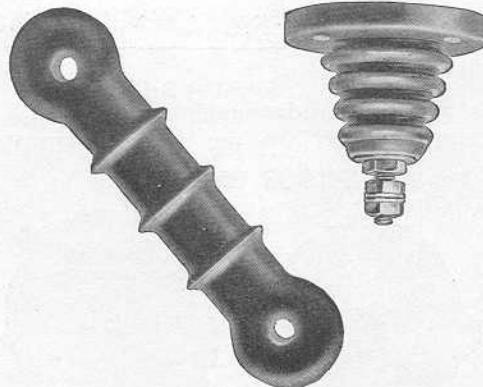
Type 260—Insulator \$0.25
 Dimensions $2\frac{1}{8}'' \times 2\frac{1}{8}'' \times 2''$. Weight 4 oz.
 Code Word: "CONIC."
 Three polished nickel mounting screws are also provided.
 Above.
 Each insulator is equipped with nuts and washers assembled, as shown
 either indoors or out.
 As they are also constructed of glazed brown porcelain they may be used
 a threaded rod connecting them make an excellent lead-in combination.
 A side for supporting lead-ins or ground wires. Two of these insulators with
 may be used inside to support wiring or instruments, or may be used out-
 Another convenient insulator is the Type 260, illustrated above. It

WALL INSULATOR

Type 280—Strain Insulator \$0.15
 Dimensions $4\frac{1}{2}'' \times 1\frac{1}{8}'' \times 1''$. Weight 4 oz.
 Code Word: "CRUILLER."
 Made of carefully glazed brown porcelain and will withstand severe weather
 conditions.
 For antenna insulation, correctly designed porcelain strain insulators
 are to be preferred to other commercial types. The Type 280 Strain In-
 sulator, illustrated above, will be found particularly satisfactory. It is
 made of carefully glazed brown porcelain and will withstand severe weather
 conditions.

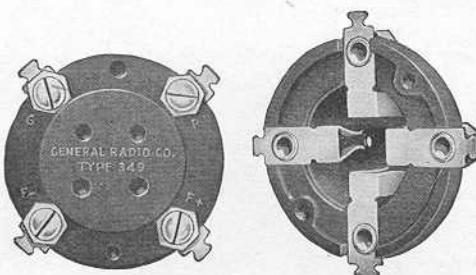
ANTENNA INSULATOR PORCELAIN INSULATORS

Type 260 Type 280





GENERAL RADIO PARTS AND ACCESSORIES



TYPE 349 SOCKET

This socket is designed for the UX types of tubes. Positive contacts are made with double gripping springs to the sides of the tube prongs. The base is of moulded bakelite.

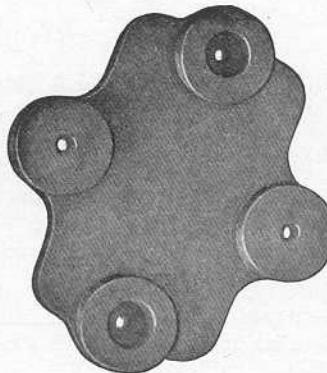
Type 349 Socket.....\$0.50

Dimensions $2\frac{1}{4}'' \times 2\frac{1}{4}'' \times \frac{3}{4}''$. Weight 2 oz.

Code Word: "SEDAN."



Type 346



Type 309

TYPE 346 ADAPTER

The Type 346 Adapter enables the UX-199 and UX-120 tubes to be used in standard tube sockets. The adapter is of moulded bakelite. A set-screw is provided for securing the tube base firmly in the adapter.

Type 346 Adapter.....\$0.30

Dimensions $1\frac{1}{2}'' \times 1\frac{1}{2}'' \times \frac{7}{8}''$. Weight 1 oz.

Code Word: "AMASS."

TYPE 309 SOCKET CUSHION

Many of the undesirable noises heard in a radio set are due to the microphonic action of the tubes. This condition can be eliminated by the use of the Type 309 Socket Cushion under the Types 156, 299, and 346 Sockets. This cushion is of sponge rubber and gives complete protection. Mounting is from the tube socket to the cushion, then from the cushion to the sub-panel.

Type 309 Socket Cushion.....\$0.35

Dimensions $2\frac{1}{4}'' \times 2\frac{1}{2}'' \times \frac{3}{8}''$. Weight 1 oz.

Code Word: "SABER."

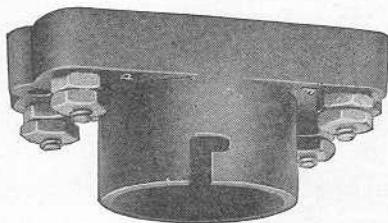


The UNIVERSAL STANDARDS of RADIO



Type 299 Socket \$0.50
 Dimensions $2\frac{3}{8}'' \times 1\frac{3}{8}'' \times 1\frac{1}{4}''$. Weight 2 oz.
 Code Word: "STORY."
 Special attention has been given to provide for a low resistance contact.
 The springs of this socket, which is designed for the UV-199 tubes,
 are multiple, and make a spring contact to the bottom of the tube prongs.

TYPE 299 SOCKET

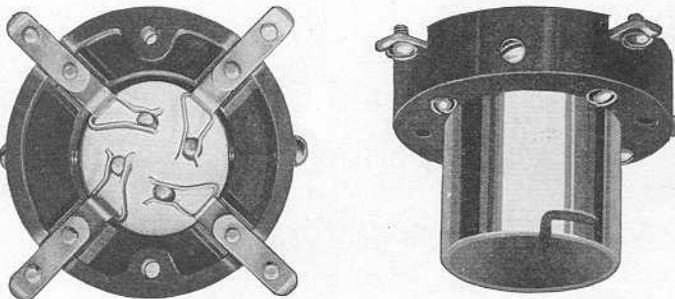


Type 156 Socket \$1.00
 Dimensions $3\frac{1}{2}'' \times 2\frac{1}{2}'' \times 1\frac{3}{4}''$. Weight 4 oz.
 Code Word: "SOBER."
 Bayonet slot to take the tube base locking pin.
 is of heavy brass with highly polished nickel finish and carefully grooved
 these double contact springs assures a clean positive connection. The tube
 positive contact on the sides of the tube prongs. The wiping action of
 WD-12. These phosphor bronze contact springs are so arranged as to make
 the standard base. These tubes include the UV-200, UV-201-A, UV-202, and
 This socket is designed for tubes using what was formerly known as
 the standard base.

TYPE 156 SOCKET

A vacuum tube socket must be more than a tube mounting device. It
 must not only hold the tube securely to prevent vibration, but also must
 make firm electrical contact with the four tube prongs. In the design of all
 General Radio sockets care has been given in each case to make the socket
 meet specifically the requirements of the tube it is to be used with. This
 is the reason that the three types are distinctly different in their design.

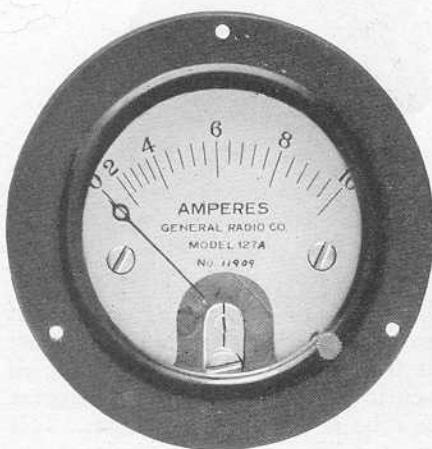
Type 156



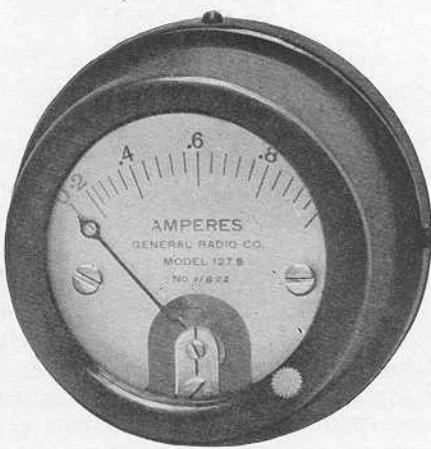


GENERAL RADIO

PARTS AND ACCESSORIES



Type 127-A



Type 127-B

HOT WIRE AMMETERS

The Type 127 Hot Wire Ammeters are equally accurate on direct or alternating currents of any frequency. They may be used for measuring filament currents, storage battery charging rates, antenna radiation, and many other purposes.

The expanding strip of these meters is of thin platinum, so as to prevent oxidation. It is so proportioned that it works at a low temperature and is of low resistance. These are two highly desirable features, since the former permits reasonable overloading without burning out, and the latter minimizes the losses.

The type of multiplying action is such that a more uniform scale is obtained than with many hot wire meters. These meters have been corrected for temperature so that there is very little shift of zero, and this is easily taken care of by the knurled adjusting screw.

These instruments are made in three types, the flush mounting for use on panels, the front-of-board mounting for use on switch boards, and the portable type for general use. The flush type meters are mounted in metal cases finished in black japan, while the front-of-board and portable types have cases of moulded bakelite.



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The UNIVERSAL STANDARDS of RADIO

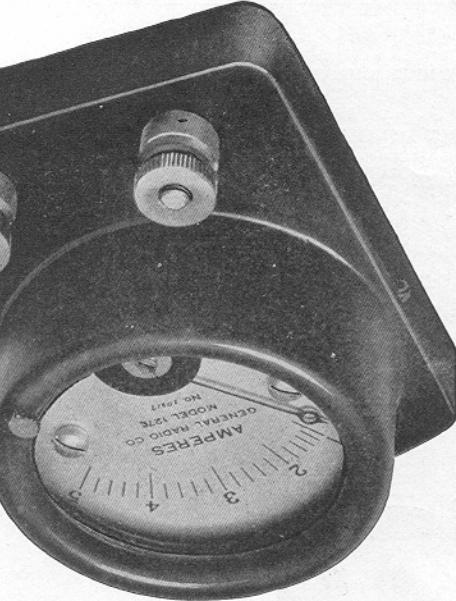


Range	Type 127-B	Code WORD	Case	Price
100	MILLI-Amps.	MUGGY	Portable	\$10.00
250	MILLI-Amps.	MOCCHA	Portable	9.00
500	MILLI-Amps.	MOGUL	Portable	9.00
100	MILLI-Amps.	MOCHA	Portable	9.00
250	MILLI-Amps.	MOLAR	Portable	9.00
500	MILLI-Amps.	MUMM	Portable	9.00
100	MILLI-Amps.	MUMY	Portable	9.00
250	MILLI-Amps.	MOTOR	Portable	9.00
500	MILLI-Amps.	MUSTY	Portable	9.00
100	MILLI-Amps.	MOTTO	Portable	8.50
250	MILLI-Amps.	MUMPERES	Galvanometer	8.00
500	MILLI-Amps.	MUMPERES	Amperes	9.00
100	MILLI-Amps.	MUMPERES	Amperes	9.00
250	MILLI-Amps.	MUMPERES	Amperes	9.00
500	MILLI-Amps.	MUMPERES	Amperes	9.00

Type 127-C

100	MILLI-Amps.	MAYOR	Front-of-Board	Dimensions 3" x 1½". Weight 9½ oz.
250	MILLI-Amps.	MADAM		
500	MILLI-Amps.	MERIT		
100	MILLI-Amps.	MERRY		
250	MILLI-Amps.	MINOR		
500	MILLI-Amps.	MINUS		
100	MILLI-Amps.	MISTY		
250	MILLI-Amps.	MINOR		
500	MILLI-Amps.	MINIM		
100	MILLI-Amps.	MITTEN		
250	MILLI-Amps.	MITTEN		
500	MILLI-Amps.	MITTEN		
100	MILLI-Amps.	MAGIC		
250	MILLI-Amps.	MITTER		
500	MILLI-Amps.	MITTER		

Type 127-C

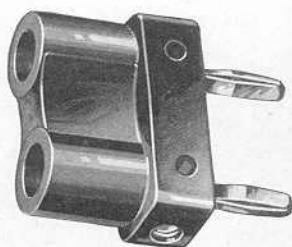


PARTS AND ACCESSORIES
GENERAL RADIO

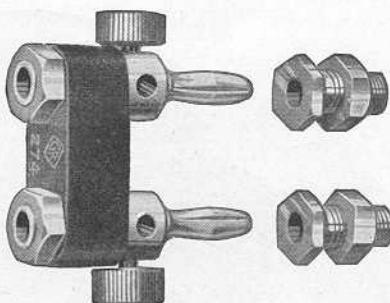


GENERAL RADIO

PARTS AND ACCESSORIES



Type 274-M



Type 274

MULTI-CONNECTOR PLUGS

For many experimental uses on radio work a plug and jack combination is far handier than binding posts. Particularly at high voltages, the conventional telephone type of plug is not practical. To meet this general need the Type 274-M Insulated Plug was developed.

By using these plugs any number of series or parallel combinations may be provided.

Type 274-M—Multi-Connector Plug.....\$0.50

Dimensions $1\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{8}$ ". Weight 2 oz.

Code Word: "PATTY."

Similar to the Type 274-M Insulated Plug is the Type 274 Plug. Thumb screws are used in place of set screws to secure the contact wires. This plug, while somewhat more adaptable than the Type 274-M Insulated Plug should be used only with low voltages.

Type 274—Multi-Connector Plug, complete with jacks.....\$1.00

Dimensions $1\frac{1}{2}$ " x $1\frac{5}{8}$ " x $\frac{1}{2}$ ". Weight 2 oz.

Code Word: "PAPER."

TYPE 236 BY-PASS CONDENSER

It is often advisable to by-pass portions of a radio circuit with a condenser of fairly large capacity in order to reduce the audio frequency impedance of that portion of the circuit.

A by-pass condenser across the "B" battery is particularly helpful in eliminating oscillations in the audio amplifier, due to long leads, or a high resistance in the common "B" battery.

The Type 236 Condenser is impregnated with paraffin as wound, and mounted in a substantial metal container.

Type 236—.5 M F. By-Pass Condenser.....\$1.00

Dimensions 4" x $1\frac{1}{8}$ " x $1\frac{1}{8}$ ". Weight 5 oz.

These condensers may also be supplied with capacities of .1, .2, .3 and .4 M. F. without change in price.

Code Word: "PECAN."

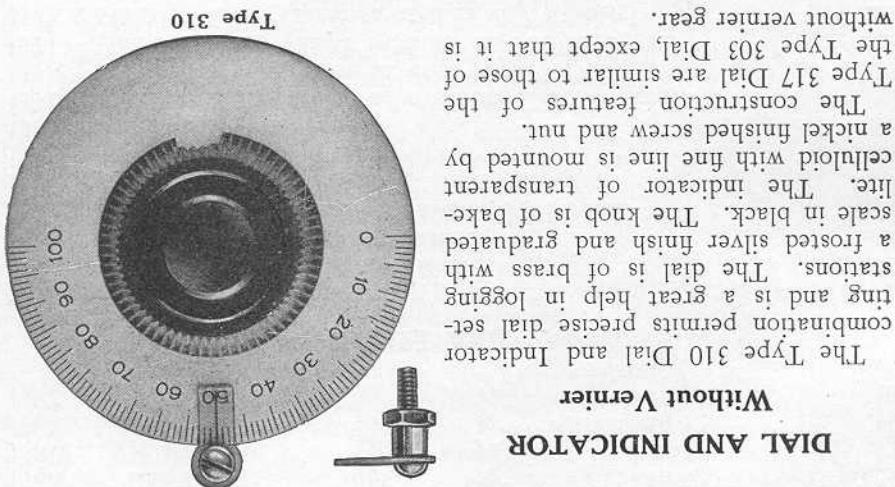


The UNIVERSAL STANDARDS of RADIO

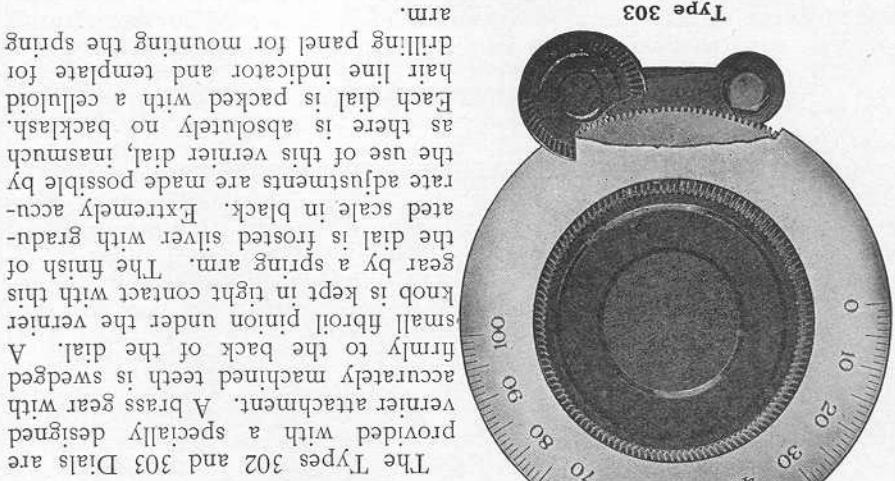
The UNIVERSAL STANDARDS of RADIO



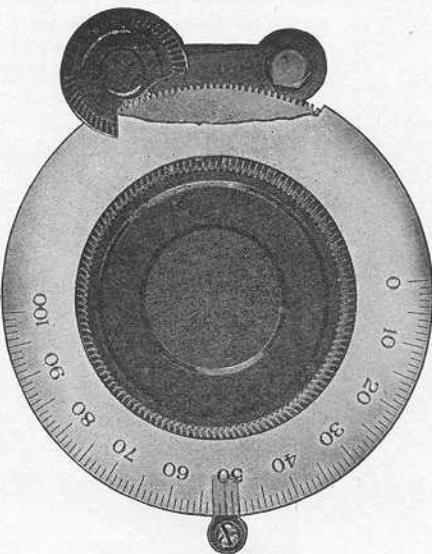
Type 310— $2\frac{3}{4}$ in. Dial and Indicator Dimensions $2\frac{3}{4}'' \times \frac{3}{4}''$. Weight $3\frac{1}{2}$ oz. Code Word: "DANDY." \$0.60
Type 317—4 in. Dial and Indicator Dimensions $4'' \times \frac{3}{4}''$. Weight $6\frac{1}{2}$ oz. Code Word: "DEBUT." \$1.50



Type 302— $2\frac{3}{4}$ in. Vernier Dial, for $\frac{1}{4}$ in. Shaft Dimensions $3\frac{1}{2}'' \times \frac{3}{4}''$. Weight 6 oz. Code Word: "DAISY." \$1.75
Type 303—4 in. Vernier Dial, finished for $\frac{1}{4}$ in. or $\frac{3}{8}$ in. Shaft Dimensions $4\frac{5}{8}'' \times \frac{3}{4}''$. Weight 10 oz. Code Word: "DALLY." \$2.50



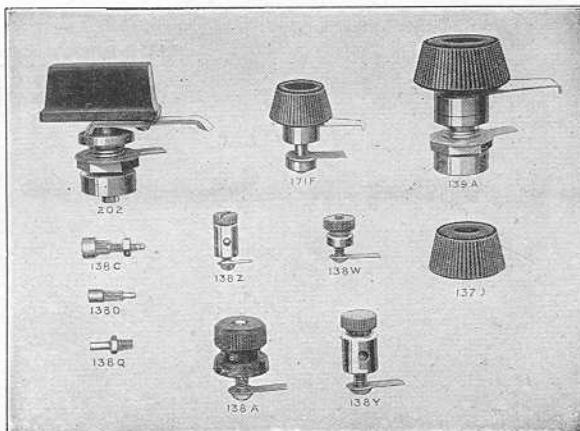
VERNIER DIALS





GENERAL RADIO

PARTS AND ACCESSORIES



STANDARD PARTS

Experimental work frequently requires certain standard parts. Consequently we are listing for the convenience of experimenters many of the parts used in the assembly of General Radio instruments. These parts have the advantage of matching those used on instruments already installed.

BINDING POSTS

Type	Description	Diameter	Height	Screw Sizes	Price
138A	Bakelite	$\frac{3}{4}$ "	$\frac{5}{8}$ "	10-32	\$0.25
138W	N. P. Brass	$\frac{7}{16}$ "	$\frac{1}{2}$ "	6-32	.12
138Y	" "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	10-32	.15
138Z	" "	$\frac{3}{8}$ "	$\frac{5}{8}$ "	6-32	.10

SWITCHES AND PARTS

Type	Description	Price
139A	Multiple Leaf Switch $1\frac{3}{8}$ " Radius	\$0.95
171F	Single Leaf Switch $\frac{7}{8}$ " Radius	.40
202	Low Contact Resistance Switch $\frac{3}{8}$ " Radius	1.25
138C	$\frac{5}{16}$ " Contact for 139A or 202 Switches	.05
138D	$\frac{3}{16}$ " Contact for 171F Switch	.04
138Q	Switch Stop with Nut	.05
137D	Moulded Knob (same as used on 139A Switch)	.35
137H	Moulded Knob (same as used on 317 Dial)	.75
137J	Moulded Knob (same as used on 301 Rheostat)	.25
137K	Moulded Knob (same as used on 247 Vernier)	.25

The Types 137D and J Knobs are for $\frac{1}{4}$ " shaft, while the 137H may be supplied for either $\frac{1}{4}$ " or $\frac{3}{8}$ " shafts. The 137K Knob is tapped for a 10-32 thread. The Types 137D and 137J Knobs may be supplied with polished nickel pointers for five cents additional.



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