

LABOR RATE PRICING MENU

This Pricing menu covers **Labor rates only**, all parts are charged for extra! Service warranty varies with service/labor rate chosen. The typical total cost listed below is only to give you a rough idea of what a typical testers total cost may be.

The actual price depends on the problems with the tester and parts required to repair it. This typical cost does not cover meters, meter repair, or transformers. **All pricing is subject to change without notice!** The labor applied is the labor rate quoted you or in effect at the time a tester is received. If you notify me by email that a tester is on its way the rate applied is what was in effect on the day I was notified. **I am quite reasonable and flexible on this issue, within reason!**

Estimate fees on tube tester evaluations when repairs are declined is \$50.00 All customers will get an estimate of total costs before any repair is performed, so no customer will get an unexpected surprise when the bill is presented. Small variations in final cost of \$5.00 to \$10.00 may occur due to small parts not seen at the first inspection, but over \$10.00 you will receive a revised estimate before the final invoice is issued. All Labor rates are for labor only with all parts being at a separate/extra charge! All **typical/average totals** for pricing in this document is based on typical average historical dollar amounts for these models and not on a full physical evaluation of every part!

Please read the repair vs refurbishment services at the end of this document!

Group One:

Hickok Models: 530, 531, 532, 533 series, 534 series, 536, 538 & 538A, 539, 539A, 539B, 539C, 540, 545, 546, 547 & 547A, 548, 560, 600 series, 820, and the 800 series, 750, 752 series, 799, and 6000 series.

Western Electric models: KS-13588, KS-15570, KS-15559, KS-15560, KS-9233

Stark - all models, Philco 9100, & 7052

AVO Models, Mark II, Mark. III, Mark. IV, VCM-163, & the CT-160

Military models: I-117 series, TV-2 series, TV-3 series, TV-4 series, TV-7 series, TV-8 series, and TV-10 series.

Other popular Makes and Models in group one:

B&K Models: 500, 650, 667, 675, 700, 707, 747, 747B

CBS: VT T-1 (same as military TV-2 series)

Eico Models: 666, 667,

Mercury Models: 1000, 1000A, 1200, and 2000

Jackson models, 598, 648A, 648R, 658, 561, 648P, 648S

Seco Models: 107, 107A, 107B, 107C

Sencore Models: Continental MU-140, and MU-150

Refurbishing and calibration labor rates: **\$170.00**

Refurbishing and calibration comes with a **270 day (9 months) limited warranty** on all work performed!

Typical total costs (parts & labor) for these models usually run between **\$185.00 to about \$265.00**

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

Calibration only: **\$100.00**

This service is available only for those testers that have been services and/or professionally calibrated within the last three years. Documentation required to show prior calibration.

Basic repair services are only available if requested up front!

Basic repair and calibration labor rates: **\$140.00**

Basic repair and calibration comes with a **90 day limited warranty** on all work performed including calibration

Typical total costs (parts & labor) for these models usually run between **\$165.00 to about \$185.00**

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

End group one

Group two on next page!

Group Two:

Triplet: 3423, 3444 and 3444A
Westmore 501 same as Triplet 3444
Hickok: 580 & 580A
Precise 111, and Realistic/Radio Shack version.
Heath / HeathKit TT-1 and TT-1A
Weston 981 type -1, 981 type -2, 981 type -3, 981 type -3A

Refurbishing and calibration labor rates: \$180.00

Refurbishing and calibration comes with a **270 day (9 months) limited warranty** on all work performed!

Typical total costs (parts & labor) for these models usually run **between \$195.00 to about \$285.00**

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

Calibration only:\$150.00

This service is available only for those testers that have been services and/or professionally calibrated within the last three years. Documentation required to show prior calibration.

Basic repair services are only available if requested up front!

Basic repair and calibration labor rates: \$155.00

Basic repair and calibration comes with a **90 day limited warranty** on all work performed including calibration

Typical total costs (parts & labor) for these models usually run **between \$170.00 to about \$220.00**

This pricing does not include testers that have problems, or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

End group two.

Group three on next page!

Group Three:

CardMatic Models:

Hickok 121 and 123 series

Hickok 1234A & 1234B

Western Electric KS-15874 L1 & L2

Military AN/USM 118-A & 118-B

RCA WT-110A

Refurbishing and calibration labor rates: **\$195.00**

Refurbishing and calibration comes with a **270 day (9 months) limited warranty** on all work performed!

Typical total costs (parts & labor) for these models usually run between \$250.00 to about \$295.00

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

Calibration only: **\$100.00**

This service is available only for those testers that have been services and/or professionally calibrated within the last three years. Documentation required to show prior calibration.

Basic repair services are only available if requested up front!

Basic repair and calibration labor rates: **\$170.00**

Basic repair and calibration comes with a **90 day limited warranty** on all work performed including calibration

Typical total costs (parts & labor) for these models usually run between \$185.00 to about \$250.00

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

End group three!

Group four on next page.

Group Four:

Laboratory models:

Hickok: 700, RD-1700
RCA: WT-100A
Weston: 686-9, 686-10A
Weston (Daystrom) CA-1630
New London 901A

Refurbishing and calibration labor rates: **\$275.00**

Refurbishing and calibration comes with a **365 day (1 year) limited warranty** on all work performed!
No typical or average cost figures available for these models.

Calibration only: **\$150.00**

This service is available only for those testers that have been services and/or professionally calibrated within the last three years. Documentation required to show prior calibration.

Basic repair services are only available if requested up front!

Basic repair and calibration labor rates: **\$175.00**

Basic repair and calibration comes with a **180 day limited warranty** on all work performed including calibration.

Typical total costs (parts & labor) for these models usually run between \$250.00 to about \$375.00

This pricing does not include testers that have problems, or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

End group four.

Group five on next page!

Group Five: Other Makes and Models:

On the following page you will find many other makes and models that I service, this list is focused mostly on late model Emission tester makes/models only. The list is not all inclusive and some makes and models may have been accidently left off! I only service tube testers and I do service all makes and all models.

Some testers from a practical view point are no longer worth the cost to repair due to either their type, accuracy, the few number of units originally sold, and/or lack of available parts to properly repair them!

If your tester is on this list group five, the pricing shown is the only service option I provide for these types. If you have questions, feel free to call me or email me your questions!

For all tester in this group, I only provide refurbishing and calibration labor only at\$130.00 labor plus parts.

All units in this group comes with a [270 day limited warranty](#).

List of other typical makes and models:

I will focus on only testers from **about 1960 to 1980s** and forward and not the very early makes/models prior to 1955. Not all models are listed only the more popular ones. **I do also service the very early makes and models at the same price.** However, I do not provide a list of all the makes and models of the early make or model. If it is a tube tester I can service it, provided I can obtain the necessary parts, or repair the parts or make the parts. It is often only a matter of cost!

Group Five:

List of makes and models at the refurbishment labor rates: \$130.00 plus parts.

Late Model Emission:

Eico, 606, 610, 625, 628, 635

Lafayette, 99-5012 , TE50A

Mercury Models: 101, 201C, 201F, 102P, 103, 202E, 1100, 1101, 1101C, 1100A

Sencore: TC109, TC114, TC130, TC131, TC142, TC154, TC162

Triplett: 3413, 3413A

For all tester in this group, I only provide refurbishing and calibration labor only at\$130.00 labor plus parts.

Typical total costs (parts & labor) for these models usually run between \$165.00 to about \$225.00

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

Calibration only:\$75.00

This service is available only for those testers that have been services and/or professionally calibrated within the last three years. Documentation required to show prior calibration.

All units in this group come with a [270 day limited warranty](#).

End group five.

Group Six on next page!

Group Six: Other Makes and Models:

On the following pages you will find many other makes and models that I service, this list is not all inclusive and some makes and models may have been accidentally left off! I only service tube testers and I do service all makes and all models.

Some testers from a practical view point are no longer worth the cost to repair due to either their type, accuracy, the few number of units originally sold, and/or lack of available parts to properly repair them!

If your tester is on this list group five, the pricing shown is the only service option I provide for these types. If you have questions, feel free to call me or email me your questions!

For all tester in this group, I only provide refurbishing and calibration labor only at\$170.00 labor plus parts.

In some cases after the unit is evaluated it may be that I can only do the repairs based on a Hourly rate of \$50.00 per hour.

All units in this group comes with a [160 day limited warranty](#).

List of other typical makes and models:

I will focus on only testers from **about 1947/1950's** and forward and not the very early makes/models prior to 1947. Not all models are listed only the more popular ones. **I do also service the very early makes and models at the same price.** However, I do not provide a list of all the makes and models of the early make or model. If it is a tube tester I can service it, provided I can obtain the necessary parts, or repair the parts or make the parts. It is often only a matter of cost!

Group Six:

List of makes and models at the refurbishment labor rates: \$170.00 plus parts.

Anko: model Teletest DM 456,

American Scientific: 400A

Century: FC-2, MC-1

Chicago Instruments: 531, 532

Electronic Measurements Corporation: (EMC) models: 201, 202, 205P, 206P, 207P, 208, 209, 211K, 213, 301, 301P

General Electric models,

Heath: TC-1, TC-2, IT-17,

Hickok: AC-4600, A-4600, B4600, Diamond Point series, 510X,

Jackson: 648P, 680, 103, 115, 715, 49, 561.

Knight (KnightKit - by Allied Radio Corp.): 400, 142, 143, 600, 600A,

Precision Apparatus Corp.: 654P, 620P, 612, 614, 10-12P, 10-15, 10-20P, 10-54P, 640, 660, 10-40, 10-60, 650

PACO (Precision Apparatus kit models): T60, T61, T62

Radio City Products: 325, 807, 808AA, 8873A, 8773, 323C, Dynoptimum series

Seco Electronics Corp.: GCT-5, 88, 98

Sencore: TC109, TC114,

Shell: P-18

Simpson: 330, 335, 555, 1000

Superior Instruments: 450, 600, 777, TV10, TV11, TV12, TW11

Supreme Instruments: 589A, 599A, 504B, 600, 620

Sylvania: 140, 219, 220, 620

Triplett: 2413, 2425, 3212, 3480,

Tung-Sol, TS-78 made by Seco electronics

Weston: 777, 788, 798-3, 798-5, 978

For all tester in this group, I only provide refurbishing and calibration labor only at\$170.00 labor plus parts.

Typical total costs (parts & labor) for these models usually run between \$185.00 to about \$280.00

This pricing does not include testers that have problems or require replacement or repairs to power transformers, meters, switches, or wire wound potentiometers/rheostats like bias pots, English pots, shunt pots, meter sensitivity pots, power - line set pots.

Calibration only:\$100.00

This service is available only for those testers that have been services and/or professionally calibrated within the last three years. Documentation required to show prior calibration.

All units in this group come with a [160 day limited warranty](#).

END of pricing information - following pages contain additional service information:

What is the difference between Basic repair and refurbishing?

Introduction:

Electronic equipment has many parts all of which perform specific functions. Tube testers like most equipment have critical/precision parts and supporting parts. Some parts have higher accuracy values like 1% to 5% while others have general accuracy tolerances of 10% to 20%. All parts can at some point cause a operation failure, or calibration error. The issue is at what point in the use of the equipment will the parts fail, or drift to a specification value that will cause a defect, or operation error, or cause a error in calibration and test results. This will greatly depend on the type of part, the materials used in their construction, (some parts tend to be problematic due to materials/construction methods) and their original tolerance value, and their age and current condition. Parts will drift over time and use. Some parts can be out of tolerance value, but have not reached a value that will cause a tester to fail and in many situations it may stay in calibration, or be just at the edge of calibration. It is easy then for parts to drift to a point where the part causes a situation where some ranges may go out of calibration while in calibration on other ranges. However, these parts will drift, or just fail at some point. Such parts will **often not be identified** in basic service. This is because the tester can still be calibrated and its operating values are still within the appropriate tolerance range. So parts that may be at the edge or just out of specifications, or have not failed yet will not be noticed. **The man hours required to test all parts is too high to do this type of service at the lower labor rates.** Throughout the years most all service companies did not offer refurbishing they only perform basic repairs and calibration. They know the chances are that it will go out of their warranty before the next part fails. It's a numbers game! Both the customer (who wants a lower labor cost) and the service firm (who want more customers and to do more units per day) are willing to take a chance! This is often fine for new equipment as parts will not have aged much from date of actual manufacture! However, this is not the case for equipment that is 30 to 60 years old! The risk here is very high for everyone! Some vintage electronics service operations will only perform refurbishing, or full restoration. They charge accordingly too!

My Basic repair/calibration, only available if requested up front:

All **operational values** are checked, values out of range are corrected. If a part needs to be replaced to bring the values into proper range, it is replaced. Controls are adjusted (calibrated) as required to bring the unit into proper calibration. Calibration parts (designed for actual calibration adjustments) are always checked to insure their within correct tolerance values. If a value is within correct range no time is spent checking the related circuit parts as it is ok at the time.

Any work required including parts replacement to make the unit test tubes correctly is performed as required. This is basic repairs and comes with a 90 day limited service warranty.

My Refurbishing/calibration:

First All **operational values** are checked, values out of range are corrected. If a part needs to be replaced to bring the values into proper range, it is replaced. **All related circuit parts are checked as to actual values and the voltage/currents within the circuits.**

Controls are adjusted (calibrated) as required to bring the unit into proper calibration, and if the range of the control is too limited, all related circuit parts are checked and appropriate parts are changed to allow for a better/proper adjustment range. Calibration parts (designed for actual calibration adjustments) are always checked to insure their within correct tolerance values and parts replaced to keep them well within their tolerance values. **All parts are checked and out of tolerance parts are replaced, problematic (known problem parts) are automatically replaced, all electrolytic capacitors and paper type capacitors are replaced. If a value of other parts are within correct range, it is not replaced unless it is known to be a problematic part.** Any work required including parts replacement to make the unit test tubes correctly is performed as required. Transformer and meter parameters are evaluated and the customer is informed if there is a problem, or potential problem in these parts.

This is refurbishing service/calibration and comes with a 270 day limited service warranty except for **group Six** makes and models which is 160 Days.

IMPORTANT:

These testers are 30 to 70 years old. I could justify the replacement of power transformers and meters and many switches in about 70, 80% or more of the testers I see. This is costly and not necessary in most cases based on the use the customer requires, and the application they are used for. Yet other should have these parts replaced based on use and application! **Refurbishing is not restoration, or re-building!** It will not necessary solve all potential problems, but it will in most cases provide a much more reliable tester for a longer time period before a major part failure like the transformer, or a meter fails!

It must be understood that a tester that is 30 to 70 years old or older will not have the same performance capabilities as the same tester did when it was new. The power transformer is one of the many reasons for this. In addition the overall tolerance values of all the parts add to the issue. Parts can drift in value, or have levels of leakage within them that will cause a wider range of operational values. Refurbishing can not always bring a tester back to the same parameters it produced when it was new. Many things will impact how close to original values can be actually achieved in all circuits. If you wanted to replace all the parts with new higher quality parts based on current modern technology, then yes it can be achieved, but at a price!

All upgrade jobs require refurbishment as the service performed to install the upgrades! There are some exceptions to this rule.

My payment policy and methods are listed below for your information:

Payments should be made out to **Roger Kennedy**.

Payment Methods Information:

- Published pricing is based on cash payments: Certified Bank check or cashiers check, money order.
- Western Union money transfer, to local Western Union office in Torrance CA. www.westernunion.com
- Personal checks drawn on a Bank in the United States are accepted with a 10 Day holding period to clear bank!

Other payment service available:

PayPal accepted, with an additional 3.0% to cover transaction/processing cost!

- PayPal using the email address of vrte@msn.com

Credit cards accepted, (Visa and MasterCard) with an additional 4.5% to cover transaction/processing cost!

- Visa or Master Card - you will have to place a Phone call to me to process by normal credit card method,

Direct Wire transfer to our bank, - must request this option in advance and the wire transfer fee must be included in the payment!

If you wish to pay by Papal, or credit card please include either the 3.0% (Paypal) or the 4.5% (Credit card) processing cost to your payment.

My limited service warranty is provided on the next page for your review.

LIMITED WARRANTY POLICY

For a period of **applicable period (one of the following 90/160/270)** days from the date of pickup, or 5 days from the shipping date, any repair/calibration/upgrade as covered by this policy and as specified within this limited warranty is covered. I will correct any problem that occurs that is directly related to the work performed in the original repair/calibration. In some cases with limitations, I may correct any un-related defect/problem that may be in the tester if such defect was present when it was in for initial repair and missed by me the first time. Such coverage is subject to verification and proof that the defect was previously in the tester at the time of original repair. I will correct any defect/problem which resulted directly from my previous repair activity, but such work will be limited to the actual defect/problem only. Electrical leakage is not covered under this warranty unless it was one of the original problems requested to be correct in the original repair.

WHAT IS COVERED:

All work (**labor performed**) in the original repair and any new parts installed are covered. This includes any **new** meters, transformers, wafer switches, and controls installed by me. Calibration is covered. In the case of Refurbishing service paid at this labor charge the Labor to replace any resistor or capacitor which previously tested good (and have not been damaged due to misuse or mis-operation) is covered, **but such parts themselves are not covered.**

New Old Stock (NOS) tubes have a 15 day warranty .

Tube socket policy: Cleaning of, and tightening up of old tube sockets is covered to the extent of re-cleaning or re-tightening of the socket only.

Meter repair warranty is limited to correcting broken plastic mountings of the internal movement holders previously repaired by me, or to the replacement of any internal physical resistor replaced by me, and to the electrical connections within the meter housing up to the meter movement coil repaired by me.

All upgrades installed and related parts and material are covered!

WHAT IS NOT COVERED:

Old used parts and rebuilt/refurbished parts have no warranty! Resistors and capacitors previously checking good, but have become bad are not covered, but the labor to replace them is covered provided the defect was due to part failure and not misuse, mis-operation, or due to a tube that was being tested which had a defect and was tested anyway. Tube sockets that have not been replaced with **new sockets** are not covered. This is due to the fact there is no way to know the life, or potential usage left in an old tube socket. Sockets are subject to normal wear from inserting and removing tubes. There will be a charge for a new socket and no labor charge if the socket was previously replaced and went bad, other wise there is a \$5.00 labor charge to install a new socket plus the price of the socket.

Leakage within the tester not having been in the original complaint/symptom for the repair is not covered.

Electrical leakage (tubes tested show leakage, or shorts), or similar such leakage are not covered unless it was in the original complaint/symptom and service request.

All original, or used meters, transformers, wiring, switches and controls, are not covered nor is the labor to replace any of these items covered, unless they were replaced with **NEW ones** or NOS units in the original repair by me.

NOS tubes past 15 days, or that are physically broken, or have been damaged due to mis-operation, handling or improper testing are not covered. Warranty is void if the unit is misused, mis-operated, abused, or has been tampered with/modified. Modifications after repair by me performed by anyone other than me "Roger Kennedy" or Vintage Radio TV and Electronics are not covered.

METER REPAIR AND CLEANING:

Meter cleaning is covered to the extent that the meter requires additional cleaning. Meter repair is covered only to the extent of correcting any previous meter repair performed by me from the original repair action only. Any other meter defects, or problems are not covered. New meters have a 1 year manufacture Limited warranty.

TRANSPORTATION ISSUES:

I am not responsible and will not cover any damage caused due to transportation of the product to and/or from my address/service location!

WARRANTY TRANSFER POLICY:

This warranty is made to the **original customer only**, and is not transferable to anyone else except by the written permission of Roger Kennedy and payment of a transfer fee to Roger Kennedy only. The current transfer fee can be found at www.alltubetesters.com on the pricing page of the website.

Thank you for your time and I hope to serve you in the near future!

Best regards,

Roger Kennedy

[Website: www.alltubetesters.com](http://www.alltubetesters.com)

email: vrte@msn.com Or alltt@msn.com

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