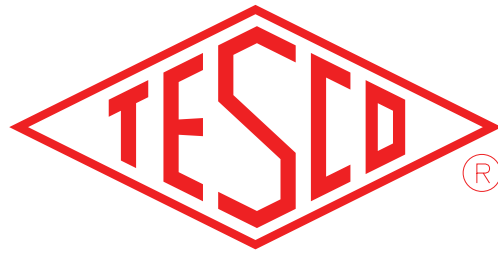


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Equipment Catalog

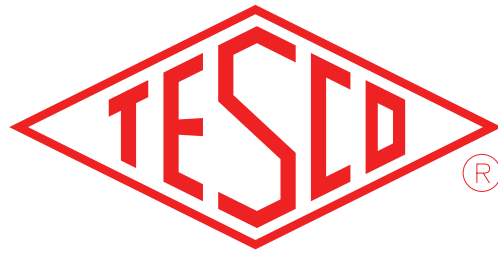


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Equipment Catalog

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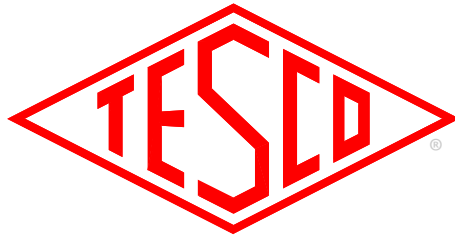


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Equipment Catalog

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The Eastern Specialty Company
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Catalog No. 300X

TESCO Multi Position Closed Link Meter Qualification Boards



**MULTI POSITION CLOSED LINK METER
QUALIFICATION BOARDS
CATALOG NO. 300X**

TESCO is pleased to introduce our new line of custom multi position meter qualification boards to power-up and apply load to electric watt hour meters for functionality testing which are ideal for assisting with your AMI meter qualification and communication testing. Constructed on a durable aluminum extrusion frame with casters for ease of mobility, TESCO Meter Qualification boards are designed to blend seamlessly within your meter shop. Each socket position is designed to accommodate a large variation of meter forms and is capable of powering meters both with and without test links.

- **Meter Forms** - Multiple form selection for all meter forms on all sockets, selectable via rotary switch.
- **Voltages** - 120, 240, 277 and 480VAC selectable via toggle switch. (Custom voltages available upon request)
- **Amperages** - 1.5, 5, 15 and 30 standard selectable via rotary switch. (Custom amperages available upon request)
- **Test Ports** - provided at each of the pairs of current and form selector switches to enable power test calculations with an amp meter.
- Both Single and 3 Phase Models Available
- **Meter Positions** - from 2 to 96 with layouts to meet customer specifications.
- Built with the TESCO tradition of reliability and ruggedness.
- **Reverse Currents** - Available upon request to simulate customer provided power
- **Power Factor** - Available upon request



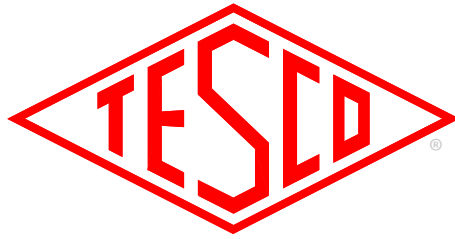
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Phone: 1-800-762-8211

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Catalog No. 4001

TESCO Single/2 Position AMI Meter Qualification Board

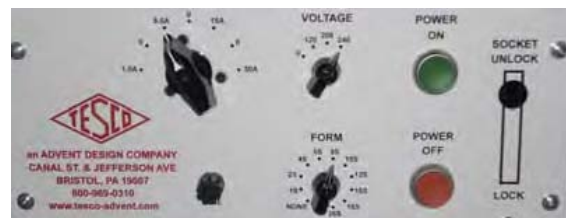


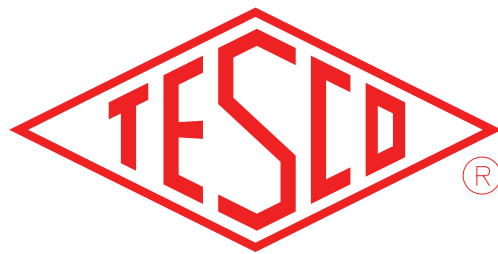
**SINGLE/2 POSITION AMI METER
QUALIFICATION BOARD
CATALOG NO. 4001**

Designed for ease of mobility throughout your facility

The new TESCO Single/2 Position AMI Meter Qualification Board is designed to power meters with voltage and run load current through the meters. The unit is designed to accommodate a 2 position meter adapter to enable simultaneous testing of 2 meters. These units can be purchased in multiple quantities and be placed throughout the utility grounds as a cost effective means to duplicate a mesh network for communications testing.

- The unit operates on 120 VAC 60 hz. A 6ft power cord is supplied with each unit.
- Each board will have 1 switch for selecting the current (load) to be supplied to the 2 socket adapter and one switch for selecting the voltage.
- **Voltages:** 0, 120v, 208v and 240v selectable via rotary switch.
- **Current:** selectable by rotary switch- 0, 5, 15 and 30 amps nominally selectable via rotary switch.
- **Meter forms:** 1S, 2S, 4S, 5S, 9S, 10S, 12S, 15S, 16S, 26S/56S (other forms available)
- The warm-up boards will be capable of running meters without test links.
- Voltage is supplied to all 3 potential coils of the meter. Voltage can be applied without current.





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Catalog No. 2000 and 2100

TESCO Desk Top Meter Warm-Up Board

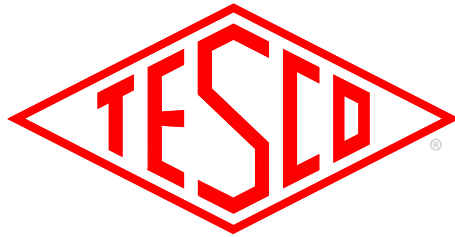


TESCO DESK TOP METER WARM-UP BOARD CATALOG NO. 2000 & 2100

Contact TESCO today to learn more about how we can simplify your AMI testing needs for both the meter shop and in the field.

TESCO is pleased to announce the newest addition to our line of meter warm-up boards and meter qualification boards. The new TESCO Catalog Number 2000 and 2100 Desk Top Meter Warm-Up Boards are small enough to fit on your desk top and light enough to be portable when needed. Both units are designed to be compact and easily fit on a meter engineer or metering technician's desk top or work bench. The unit features a zero insertion force socket that makes taking the meters in and out at your desk an easy operation and not a study in strength and agility. The unit can tilt to a 45 degree angle when using electronic meters and to a 90 degree angle when using electro mechanical meters. The unit includes a nominal 0.5 amp load but also comes standard with a plug to attach to any TESCO load box, so up to 50 amps can be applied to the meter being evaluated. Built with the TESCO tradition of durability and ruggedness, this unit provides an easy to use method of applying potential and load to both electronic and electro-mechanical meters. Call us for more information or to order your unit today.

- **Meter Forms-** 2S, both electronic and electro-mechanical for the model Cat. 2000 and selectable forms for the Polyphase version Cat. 2100
- **Voltages-** 120/240 VAC. The unit comes standard with a 120V (10 ft) power cord.
- **Amperage-** 0.5 nominal, can also be utilized with a TESCO load box to accommodate up to 50 amps.
- **Size-** 12" wide x 10" high x 11" deep
- **Easy to use one button, one switch operation-** One back lit button for power on/off and one switch for internal (0.5 amp) or external load (up to 50 amps).
- Built with the TESCO tradition of reliability and ruggedness.



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Catalog No. 3000 No Load, No. 3001 With Load TESCO Meter Warm-up Board



**METER WARM-UP BOARD
CATALOG NO. 300X**

The Catalog 300X Universal Meter Warm-Up Board is designed to go from the shop floor to a customer location. TESCO's Warm-Up Board is made from a high quality industrial fiberglass enclosure and is light and durable. TESCO's warmup board is the portable, effective solution to your shop, vehicle, or remote meter warm-up needs.

To operate the Warm-Up Board the user simply selects the correct form and voltage, places the meter in the socket and presses the "ON" button. The Warm-Up Board will not power on without a meter installed. Removing the meter or interrupting the power shuts off the unit. TESCO's Meter Warm-Up Board features ergonomic industrial controls for durability and ease of use. The unit is protected by a resettable circuit breaker eliminating the need to carry spare fuses.

Features:

- Lighted push button controls to indicate state.
- Concise, clear written instructions.
- Convenient, comfortable carrying handle.
- Circuit breaker protection against shorts.
- Meter detection switch to disconnect power if meter is removed.

Specifications:

Voltages: 120, 208, 240 & 277

Forms: 1S, 2S, 4S, 5S, 6S, 9S, 12S, & 16S
(other forms available upon request)

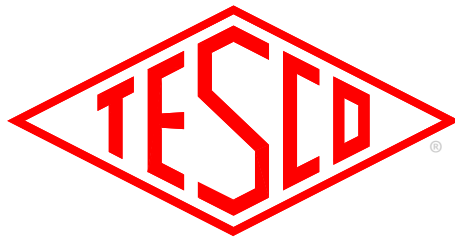
Circuit Breaker: 1 Amp

Power Supply: 120 VAC

Size: 15" x 13" x 6.5"

Weight: Approximately 25 lbs.

Optional Load: ½ Amp



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Custom Equipment

TESCO AMI Meter Farm



AMI METER FARM

TESCO is pleased to announce the TESCO Meter Farm, our newest offering to support your AMI Meter Deployment. The Meter Farm powers up banks of meters and runs a current load through each meter. TESCO Meter Farms are designed to serve as a cost effective method for testing communication, functionality and firmware upgrades from your meter manufacturer(s). The Meter Farm can be used as part of the qualification process prior to deployment, but has been more popular as a post deployment tool to allow large scale testing of all new releases of firmware over hundreds or even thousands of meter points prior to upgrading the entire system. The Meter Farm can also be used to perform long term testing for new hardware releases prior to introducing later generation meters into the field.

Specifications:

- **Meter Forms** - TESCO Meter Farm Panels are available to suit ALL meter forms.
- **Voltages** - 120, 240, 277 and 480VAC (Custom voltages available upon request)
- **Amperages** - 0.5 (Custom amperages available upon request)
- **Socket Positions** - Built to customer specifications to suit your needs
- Built with the TESCO tradition of reliability and ruggedness.

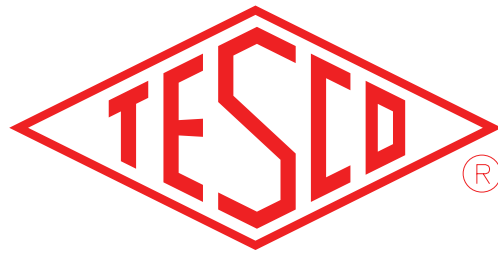
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Custom Equipment

TESCO Multi-Position Watt-hour Test Board



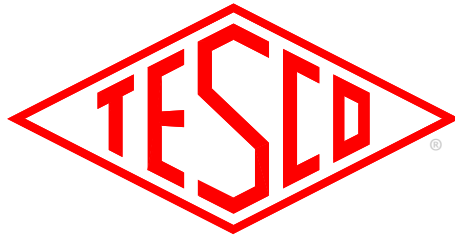
TESCO's Multi-Position Watt-hour Test Boards are designed to serve as a cost effective solution to perform watt-hour accuracy tests. These boards are designed for maximum throughput and operator efficiency to perform a watt-hour accuracy test. A common application is as a retirement test board or an acceptance test board during a large scale meter exchange project (e.g. AMI deployment). Each board can be custom designed to suit your individual requirements. Test results are exported from the board in a .CSV file and can be automatically uploaded to your meter records system or stored in a TESCO meter records module.



MULTI-POSITION WATT-HOUR TEST BOARD

Contact TESCO today to learn more about how we can simplify all of your testing needs for both the meter shop and in the field.

- **Meter Socket Positions:** Up to 96 pneumatic socket positions. Most common configurations are 4 and 8 position.
- **Operation:**
 1. Operator loads meters into a bank of sockets – an indicator light confirms properly seated meters
 2. Operator scans barcodes on meters and sockets to set up the board and capture meter information. If this is a retirement test, the operator then takes photo of last dial locations on meter with same hand held bar code scanner.
 3. After scanning, test automatically begins.
 4. Operator loads second bank, while first is testing.
 5. Cycle time is better than 2 meters per minute but ultimately depends on the number of sockets and the type of meters.



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Catalog No. 630

TESCO Light Weight Closed Link Meter Test Kit



LIGHT WEIGHT CLOSED LINK METER TEST KIT CATALOG NO. 630

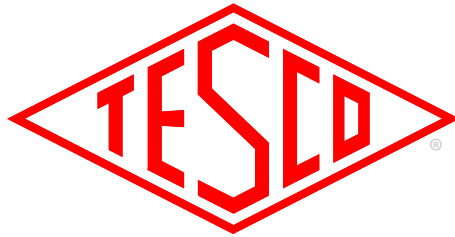
Specifications:

- **Weight:** 30 lbs. including cable set and reference standard
- **Size:** 13" wide x 9" deep x 10" high

The new Catalog 630 Light Weight, 30 Amp Meter Test Kit/Artificial Load with Power Factor, has been designed to reduce the weight of field test equipment to the lowest possible limit when testing electric meters without potential links or with the links closed. The unit is protected within its ergonomic carrying case by a durable powder coated aluminum shell. The total weight of the meter test kit including leads, and digital reference standard is only 30 lbs! The test kit carrying case also incorporates ample storage space for the cable set and other tools.

A 120/240/277/480 voltage change switch is provided with an "OFF" position in order that the load can be deenergized without the necessity of breaking connections when it is desired to make adjustments to the meter under test. The various load values are changed by manipulation of a durable rotary switch. No connections need to be changed. The unit provides a 5, 15 and 30 amp current source at full load and a .5, 1.5 and 5 amp current source on the light load setting. Power factor can be easily switched between 50% and 100% via a simple, durable toggle switch and each of the 3 phases can be de-energized without the need to disconnect the leads via independent switches.

The artificial load and standard are permanently connected and the internal connections of the load are such that the movement of the load selector switch automatically places the proper standard coil in the test circuit. Standards can be easily removed from the unit if desired for calibration.



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Catalog No. 621

TESCO Light Weight Meter Test Kit



**LIGHT WEIGHT METER TEST KIT
CATALOG NO. 621**



The new Catalog 621 Light Weight, 50 Amp Meter Test Kit/Artificial Load with Power Factor, has been designed to reduce the weight of field test equipment to the lowest possible limit. The carrying case is fabricated from durable powder coated aluminum. The total weight of the meter test kit including leads, and digital reference standard is only 25 lbs! The test kit also incorporates ample storage space for the cable set.

A 120/240/277/480 voltage change switch is provided with an "OFF" position in order that the load can be deenergized without the necessity of breaking connections when it is desired to make adjustments to the meter under test. The various load values are changed by manipulation of a durable rotary switch. No connections need to be changed. The unit provides a 5, 15 and 50 amp current source at full load and a .5, 1.5 and 5 amp current source on the light load setting. Power factor can be easily switched between 50% and 100% via a simple, durable toggle switch.

The artificial load and standard are permanently connected and the internal connections of the load are such that the movement of the load selector switch automatically places the proper standard coil in the test circuit. The Catalog 621 is designed for testing meters with an open link. For closed link meter testing, please contact us to learn about our Catalog 630 Light Weight Closed Link Meter Test Kit.

Weighs only 25 lbs!

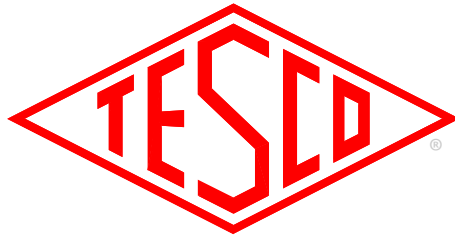
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Catalog No. GA-35 & GA-50

TESCO GA Series Test Kit



GA SERIES TEST KIT
CATALOG NO. GA-35 & GA-50



The type GA Meter Test Kit/Artificial Load has been designed to reduce the weight of field test equipment to the lowest possible limit. The carrying case is fabricated from durable powder coated aluminum. The total weight of the meter test kit including leads, tool tray and digital standard is approximately 25 lbs. The tool tray incorporates ample storage space for the cable set as well as additional field service tools.

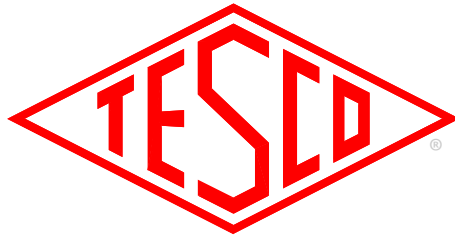
A 120/240/277/480 voltage change switch is provided with an "OFF" position in order that the load can be de-energized without the necessity of breaking connections when it is desired to make adjustments to the meter under test. The various load values are changed by manipulation of a durable rotary switch. The switching steps are so arranged that the full load value is adjacent to its corresponding light load value. Thus all that is necessary to change from full to light load, is to change the switch settings on the load. No connections need to be changed.

The artificial load and standard are permanently connected and the internal connections of the load are such that the movement of the load selector switch automatically places the proper standard coil in the test circuit. As with all TESCO loads, these are rated for continuous duty.

Voltage and current ratings

(custom variations available)

Test Kit	Voltage	Current	
		Full Load	Light Load
GA-35	120/240/277/480	5, 10, 15, 25, 35	Full Load
		.5, 1, 1.5, 2, 2.5, 5	Light Load
GA-50	120/240/277/480	5, 10, 15, 30, 50	Full Load
		.5, 1, 1.5, 3, 5	Light Load



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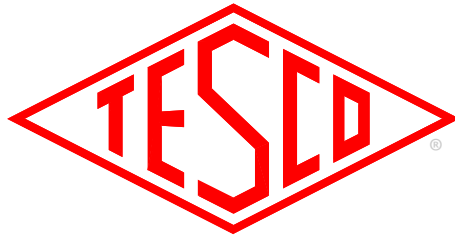
Software

TESCO Meter Manager Field Fast Software Module



TESCO METER MANAGER FIELD FAST SOFTWARE MODULE

The TESCO Field Fast Software Module is designed for use with all of the TESCO light weight field test kits to drastically improve productivity in the field. This Windows based application will run on any hand held unit using Windows such as the Panasonic U1 or any Windows laptop computer. No more fumbling through complicated menus and screens on the RD standards. Simply select from the drop down menus and run your test. Test results will be displayed and can be saved from multiple test locations for upload to your meter records systems when the meter technician returns to the shop. If your technicians are using bar code scanners, the test parameters can be automatically set with a simple scan of the meter bar code.



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Catalog No. 480

TESCO RC-50 Artificial Load Box



- Artificial Load
- **Light Weight:** Weighs Less than 25 lbs
- 50 Amps
- 50% Power Factor

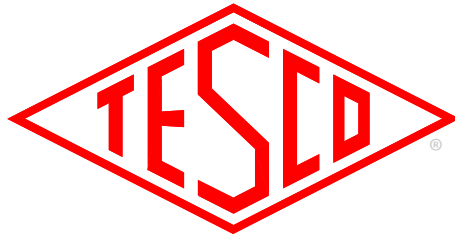
Features:

- **Dimensions:** 12" wide x 9" deep x 11" high
- **Weight:** 24.5 lbs
- **Voltages:** 120/240/277/480 with protective fuse
- **Current Range:** Amperes
- **Full Load:** 5, 15 and 50A
- **Light Load:** 0.5, 1.5 and 5A
- **Rating:** Continuous with forced air cooling.

Available Now. Contact TESCO today to learn more!

**RC-50 ARTIFICIAL LOAD BOX
CATALOG NO. 480**





The Eastern Specialty Company
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Catalog No. 326

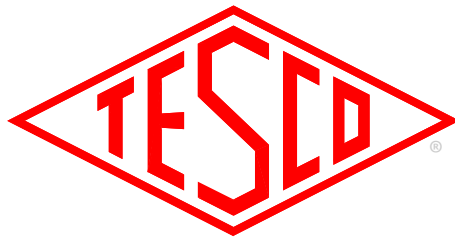
TESCO Artificial Load Box



ARTIFICIAL LOAD BOX
CATALOG NO. 326

An industry staple for over 50 years, the TESCO 326 Artificial Load Box has been redesigned to meet 21st century standards, making it the most cost effective, portable and light weight artificial load box on the market today. Developed with the same strength and reliability that you have come to expect with all TESCO field test instruments, the 326 **weighs only 13 lbs** and is designed for input voltages of 120v, 240v and 480v. The unit is built for selectable full load current taps at 2.5A, 5A, 15A, 30A, 50A and light load taps at .25A, .5A, 1.5A, 3A and 5A.

TESCO is committed to the development of all of our instruments to meet the needs of today's utility market. If you are currently using older model TESCO equipment, please contact us to learn how your product is evolving.



The Eastern Specialty Company
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Catalog No. 1043

TESCO Current Transformer Burden Test Set



CURRENT TRANSFORMER BURDEN TEST SET CATALOG NO. 1043



OPTIONAL EQUIPMENT FOR NO. 1043

Carrying Case, Cat No. 1046

- Overall Size: 8 1/2" x 4" x 7 3/8"
- Instrument Compartment: 5 3/8" x 3 5/8" x 7"
- Lead Compartment: 2 1/4" x 3 1/2" x 7"
- Weight: 1 pound

Test Plug, Cat No. 1077

- J-35-50C 6 ft. cable with copper clip
- J-35-50T 6 ft. cable with catalog 1077 test plug

Optional Leads

The Catalog 1043 Current Transformer Burden Test Set is a simple and inexpensive means whereby a current transformer installation may be quickly checked for many sources of trouble. The tests are made without interrupting the Customer's service and while the load is on.

The instrument is essentially a multi-range ammeter with a built-in ohmic burden which is normally shunted, but which can be put in series with the meter by pressing a push button.

Extensive precautions have been taken in the design so that there will be a continuous and closed path in the watt-hour meter current circuit at all times, and the secondary of the current transformer will not be opened by accident.

Applications:

The Current Transformer Burden Test Set is used for detecting the following sources of trouble in any C.T. installation.

1. Short circuited primary turns on C.T.
2. Short circuited secondary turns on C.T.
3. High resistance joints or connections in the C.T. secondary circuit.
4. Short circuited secondary wiring.
5. Customer tampering.
6. Grounding of normal ungrounded wire.
7. Grounding of secondary winding when mounted on grounded structure.

Features:

- Testing is performed without interrupting the customer's service and while the load is on.
- Designed so that the C.T. secondary cannot be opened accidentally.
- Convenient push button for adding burden.
- Current ranges selected such that a half-scale reading on any range will be a full-scale deflection on the next lowest range. Consequently, a current range can be selected which will give at least half-scale deflection.
- Large easy to read panel meter.
- Four current ranges.
- Six ohmic burden values
- Non-conducting molded case.

Specifications:

- **Current Ranges:** 1.25, 2.5, 5, 10 amperes
- **Burden Values:** .1, .2, .5, 1.0, 2.0, 4.0 ohms
- At the nominal current of 5 amperes, these ohmic values correspond to 2.5, 5, 12.5, 25, 50 and 100 volt ampere burden, respectively.
- **Rotary Switches:** The rotary switches are of the shorting or "make before break" type to prevent accidental opening of the C.T. secondary.
- **Readability:** The meter is a 2 1/2" panel instrument with a scale of 2 3/16" and a transparent unbreakable plastic cover for easy viewing.
- **Duty Cycle:** The instrument is rated for continuous duty up to the largest current value except for the burden resistors which are rated for intermittent duty.
- **Case:** The instrument is housed in a non-conducting black molded plastic case with white panel markings.
- **Dimensions:** 6 7/8" x 5 1/4" x 3 1/8" high
- **Weight:** 2 3/4 pounds

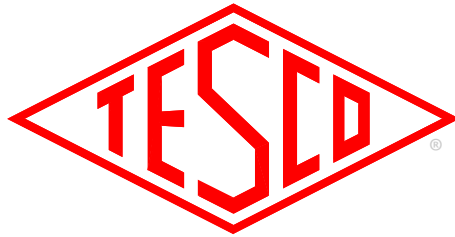
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Catalog No. 1044A

TESCO Current Transformer Burden Test Set



**CURRENT TRANSFORMER
BURDEN TEST SET
CATALOG NO. 1044A**



OPTIONAL EQUIPMENT FOR NO. 1044A

Carrying Case, Cat No. 1046D

- Overall Size: 8 1/2" x 9" x 5"
- Weight: 1 pound

Test Plug, Cat No. 1077

Optional Leads

- J-35-50C 6 ft. cable with copper clip
- J-35-50T 6 ft. cable with catalog 1077 test plug

Due to overwhelming demand, TESCO is pleased to re-introduce the 1044A (20) Amp CT Burden Test Set. This light weight, hand held unit is a simple and inexpensive means whereby a current transformer installation may be quickly checked for many sources of trouble. The 1044A provides utilities a less expensive and more traditional option for checking larger services for potential meter circuit related issues.

Extensive precautions have been taken in the design so that there will be a continuous and closed path in the watt-hour meter current circuit at all times, and the secondary of the current transformer can not be opened by accident.

Specifications:

- **Current Ranges:** 1.5, 2.5, 5, 10, 20 amperes
- **Burden Values:** .1, .2, .5, 1.0, 2.0, 4.0, 8.0 ohms
- **Readability:** The meter is a 2 1/2" panel instrument with a scale of 2 3/16" and a transparent unbreakable plastic cover for easy viewing.
- **Duty Cycle:** The instrument is rated for continuous duty up to the largest current value except for the burden resistors which are rated for intermittent duty.
- **Dimensions:** 7 1/2" x 8 1/2" x 3 1/8" high
- **Weight:** approx. 3 1/2 pounds

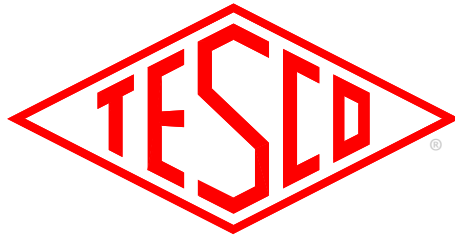
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Catalog No. 1044D

TESCO Digital Current Transformer Burden Test Set



The Catalog 1044D Current Transformer Burden Test Set is a simple and inexpensive means for testing current transformer installation and condition. The tests are made without interrupting the Customer's service and while the load is on.

The instrument features a digital LCD Display showing Secondary Current and Percent Change with Burden Added. Extensive precautions have been taken in the design so that there will be a continuous and closed path in the wathour meter current circuit at all times, and the secondary of the current transformer will not be opened accidentally.

Applications:

Current Transformer Burden Test Sets are used to detect the following sources of trouble in any C.T. installation.

1. Short circuited primary turns on C.T.
2. Short circuited secondary turns on C.T.
3. High resistance joints or connections in the C.T. secondary circuit.
4. Short circuited secondary wiring
5. Customer tampering
6. Grounding of normal ungrounded wire
7. Grounding of secondary winding when mounted on grounded structure.

Features:

- Switches for ANSI values of 0.1, 0.2, 0.5, 1.0, 2.0, 4.0 & 8.0 ohms. Non-standard burden values can be derived by using a combination of different switches to a maximum of 15.8 ohms.
- Push button for adding intermittent burden
- Thermally protected to prevent element burnout
- Easy to read current values
- Automatic system continuity check enhances safety by ensuring the instruments current path is continuous
- Display current before burden is applied, current after burden is applied and percent change

Specifications:

Current Range: 20 Amps AC maximum
Burden Values: 0.1 to 15.8 Ohms
Voltage: 480 Volts AC maximum
Case: Durable Polystyrol material
Dimensions: 7 1/2" x 4 1/4" x 3 3/4" high
Weight: 5 pounds
Power: 6 AA batteries - included

DIGITAL CURRENT TRANSFORMER BURDEN TEST SET CATALOG NO. 1044D



OPTIONAL EQUIPMENT FOR NO. 1044D

Carrying Case, Cat No. 1046

- **Overall Size:** 8 1/2" x 4" x 7 3/8"
- **Instrument Compartment:** 5 3/8" x 3 5/8" x 7"
- **Lead Compartment:** 2 1/4" x 3 1/2" x 7"
- **Weight:** 1 pound

Test Plug, Cat No. 1077

- **Optional Leads**
- J-35-50C 6 ft. cable with copper clip
- J-35-50T 6 ft. cable with catalog 1077 test plug

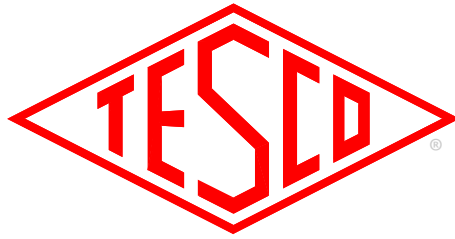
TESCO (The Eastern Specialty Company) — an ADVENT Company

Canal Street & Jefferson Ave. Bristol, PA 19007

Phone: 1-800-762-8211

Fax: 215-781-0508

www.tesco-advent.com



The Eastern Specialty Company
Providing Metering equipment since 1904

Custom Equipment

TESCO Meter Test Switches



METER TEST SWITCHES



TEST PLUG
CATALOG NO. 1077

TESCO introduced the original Meter Test Switch in the early 1920's. TESCO's current line of Test Switches have been designed with the intention to combine the best features of tried and proven switching methods with improvements in materials and construction.

All of the current carrying parts are bright tin plated to prevent corrosion. Good operating contact is thereby assured on periodic meter test, even when the switch has been idle for long periods of time in an unfavorable atmosphere.

The switches are of the open knife-blade type. Of the two current switch poles in each circuit one is provided with an automatic shorting jaw, and the other has a shunted jack which will receive a Test Plug (Cat. 1077).

The test switches are rated at 60 amperes, 600 volt and meet all applicable EEI, ANSI C12.9, NEMA, UL and H-Q safety standards.

We offer 2-10 pole test switches and custom manufacture each order to your specifications.

Unless otherwise specified, the insulated switch blade knobs will be furnished in red for potential and in black for current. Any other combination of colors is available on special order.

Features:

- Light weight construction
- 600 Volt insulation, 60 Amp. capacity
- Manufactured from flame-retardant materials
- Non-breakable, glass-filled polycarbonate base
- Non-breakable, clear polycarbonate cover
- Captive cover nuts, knurled for easy finger tightening
- Captive wing nuts optional
- High-strength thermoplastic switch handles
- Color-coded switch handles optional
- Easily replaceable switch assemblies
- Standard mounting dimensions
- Any pole arrangement up to 10 poles available
- All current carrying components are bright tin plated to prevent corrosion
- Rugged one-piece jaw ensures long life, durability, and reliable contact
- Easy to adapt or repair in the field

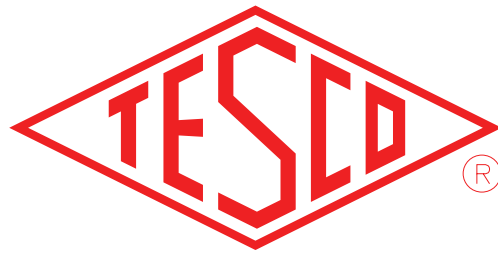
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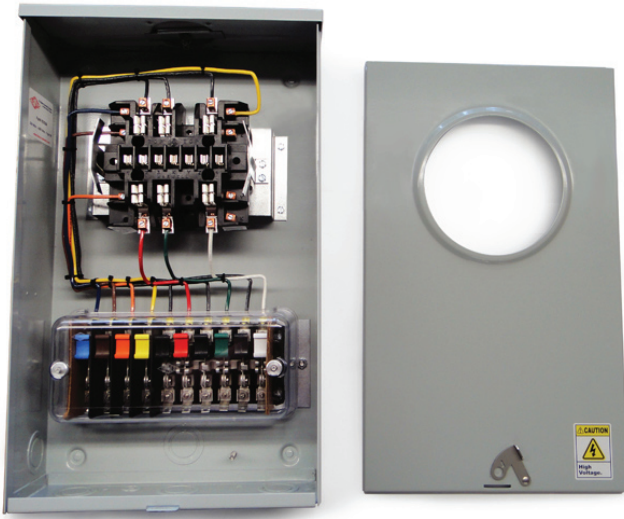
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Custom Equipment

TESCO Transformer Rated Pre-Wired Meter Enclosures

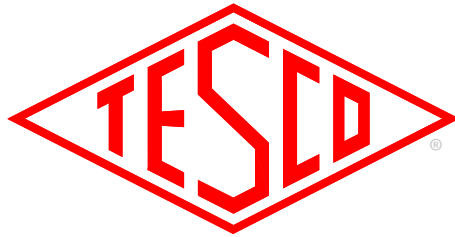


TRANSFORMER RATED PRE-WIRE METER ENCLOSURES

TESCO Pre-Wired Meter Enclosures are built with the TESCO tradition of quality and durability. These enclosures are designed for use in commercial and industrial metering installations where voltage ratings of 480 and above are required. The enclosures are available with either ring type or ringless single piece or two piece covers and can be pre-wired to between the test switch and socket to meet your exact specifications.

- **Meter Sockets:** 5, 6, 8, 13 and 15 terminal sockets available. Material- electrical phenolic and plated copper.
- **Test Switches:** 4 through 10 pole configurations available, built to customers specifications for layout, connector options and handle color coding. Available in either un-plated or plated material. Rated to 600 Amps. Available with and without clear or black Lexan covers.
- **Enclosures:** 16GA Powder Coated Steel.
- **Ground Stud:** Pem-type stud with lock washer and hex nut
- **Knock Outs-** Six - 3/4" x 1" x 1-1/4" in bottom, back & sides; one 1/4" x 5/8" x 7/8" in bottom
- **Available Cover Options:** Single Piece and Two Piece
Sealing Options: Ring and Ringless
- **Wiring:** To suit customer specifications.

Contact TESCO today to learn more about how we can simplify all of your testing needs for both the meter shop and in the field.



The Eastern Specialty Company
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Catalog No. 1077

TESCO Test Plug



TEST PLUG
CATALOG NO. 1077

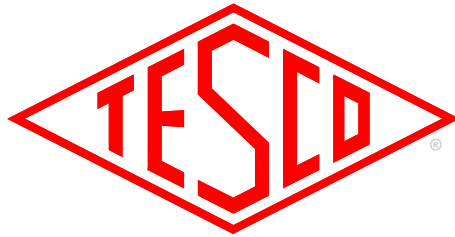
Test Plug for use with all Test Switch current test jacks. Makes testing quicker, safer and more accurate. Frequently used for In service CT burden testing, and current injection when testing watthour meters.

Eliminates the possibility of Opening current transformer secondaries. Compact and polarized with convenient terminals for fastening leads. May also be used as an insulating plug.

40 Amp Rating -with appropriate leads Contour Molded housing – for ease of use with insulated gloves Works with most test switches and jacks

Made in the USA





The Eastern Specialty Company
Providing Metering equipment since 1904

Catalog No. 1075 & 1076

TESCO Test Switch Isolators



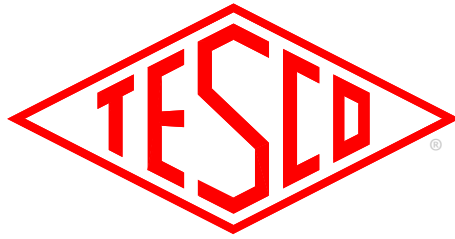
TEST SWITCH ISOLATOR
CATALOG NO. 1075

As a leading manufacturer of test switches and instruments for testing electric metering installations for over 50 years, TESCO is pleased to introduce our newest addition to the test switch family. Our new line of test switch isolators are perfect for isolation of an open test jack. Available in 2 ergonomic models, one with handle and one without, both are manufactured with the same TESCO durability and ruggedness that you have come to expect. These isolators are a perfect compliment to our Catalog 1077 Test Plugs and the Catalog 6441 Test Switch Protectors.



TEST SWITCH ISOLATOR
CATALOG NO. 1076

TESCO is committed to the development of all of our instruments to meet the needs of today's utility market. If you are currently using older model TESCO equipment, please contact us to learn how your product is evolving.



The Eastern Specialty Company
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Catalog No. 995A

TESCO Click Switch



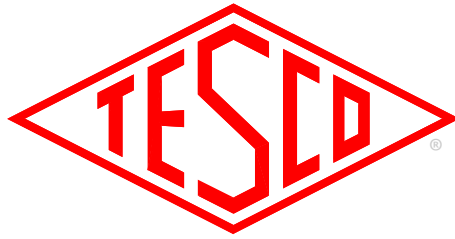
CLICK SWITCH
CATALOG NO. 995A

The new TESCO Meter Test Click Switch is our newest offering to help simplify your testing needs and makes a great accessory to the TESCO Field Test Kit line. The 995A is a normally closed push button switch. This switch connects directly to the input BNC of any TESCO or RD/RM standard. The switch housing is stainless steel and built with the TESCO tradition of durability and ruggedness for the field. The standard switch is available 4ft in length. Custom lengths are available as well.

Specifications:

- **995A-4** (standard switch)
- **995A-C** (the "C" is your custom length in feet)





The Eastern Specialty Company
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Custom Equipment

TESCO Custom Cable Sets



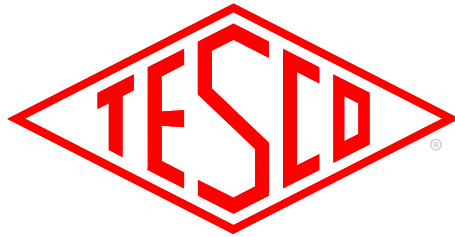
CABLE SET WITH 1077 TEST PLUG

TESCO can manufacture custom cable sets to suit both your meter shop and field needs. Cable sets for grounding and testing can be purchased to meet your specifications for wire gauge and terminations including but not limited to spades, alligator clips, banana plugs and our Catalog #1077 Test Plug, which is the perfect accessory for test switch interfacing.

Contact your TESCO sales representative to learn more.



CUSTOM CABLE SETS



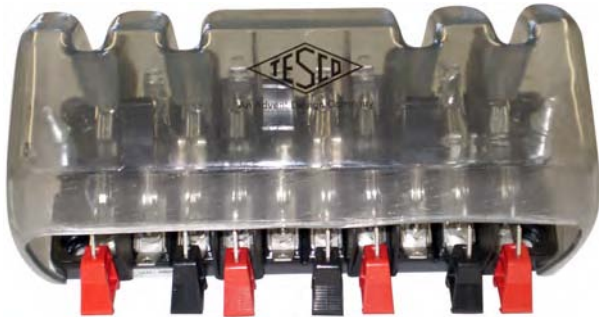
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Catalog No. 6441

TESCO Test Switch Protector



TEST SWITCH PROTECTOR
CATALOG NO. 6441



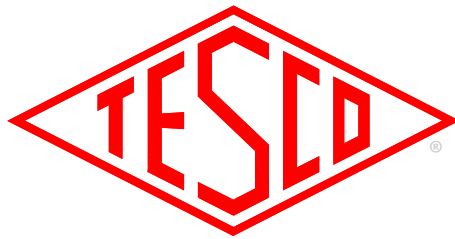
PATENT PENDING

The TESCO TEST SWITCH Protector was developed to address the rising concern that the terminals of the Test Switch are exposed during the testing process.

This cover has been designed to provide temporary protection of the switch, preventing incidental contact with live terminals or contact with tools.

It is constructed of clear, flexible PVC with a voltage rating of 2500V.

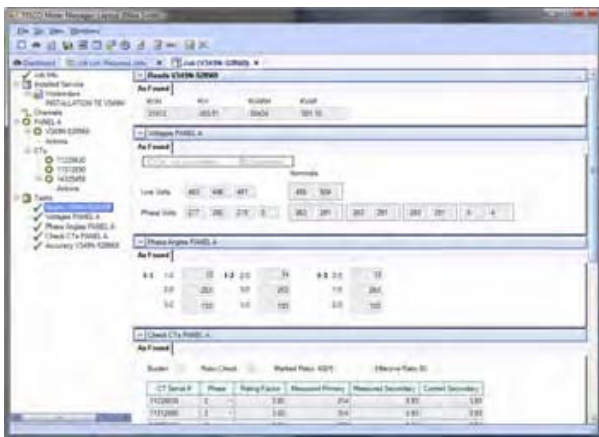
This Cover is for the 10 Pole Switch Body. TESCO can develop custom designs of this product to meet unusual test switch configurations.



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Software Suite

TESCO Meter Manager Software Suite



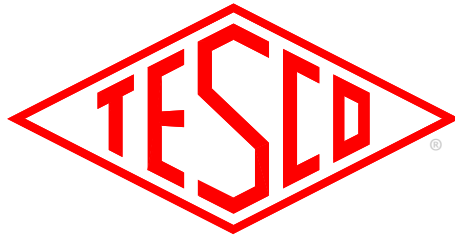
FIELD MODULES WITH SITE VERIFICATION



TESCO's Meter Manager Software Suite is the most comprehensive metering software package on the market today. As the only software designed by metering professionals for metering professionals, Meter Manager Software is designed to work with your existing CIS. Each of the Meter Manager modules can be purchased individually or can be combined with others dependent upon your specific needs.

Meter Manager List of Modules

- Scheduling and Routing
- Field Module
- Tool Tracking and Management
- Personal Protective Equipment
- Meter Inventory
- Training Management
- Time Keeping
- In Service Testing (Random Sample)
- On-line Personnel Training
- Site Audit
- Web Portal
- Executive Dashboard
- Meter Shop
- Meter Records
- Performance Management
- AMI Pilot Data Bridges and Tools
- AMI Communication and Deployment Analysis
- AMI Deployment Tracking and Mapping
- AMI Site Evaluation



The Eastern Specialty Company
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Catalog No. 500

TESCO Phase Sequence Indicator

Lower Cost & No Moving parts!

The TESCO Phase Sequence Indicator meets the need for an instrument makes the basic phase sequence indication that is lighter and more compact.

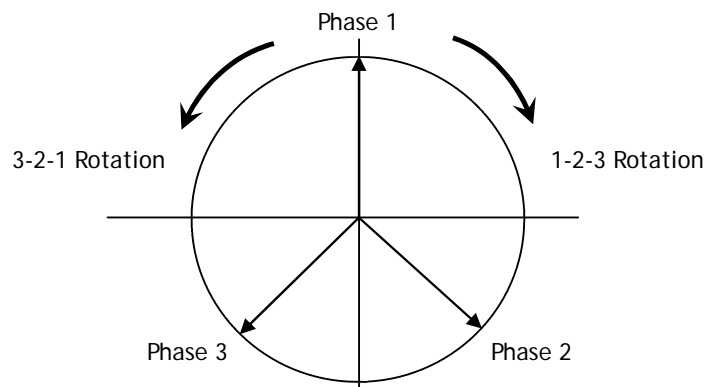
Phase sequence is indicated by line powered (no batteries) neon lamps. One lamp for phase sequence 1-2-3 and the other lamp lights for phase sequence 3-2-1.

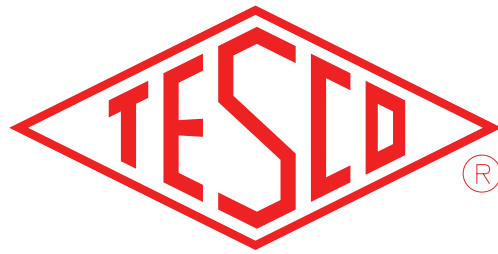
The TESCO Phase Sequence Indicator can be used on polyphase voltages from 115 V. to 600 V, at 60 cycles.

The instrument is completely self-contained, and does not require a range-changing switch. There are no moving parts, and the two leads are permanently attached to the body. The three electrodes are conspicuously numbered, to facilitate phase identification.



PHASE SEQUENCE INDICATOR
CATALOG NO. 500





*The Eastern Specialty Company
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Catalog No. 1048

TESCO Field Bag

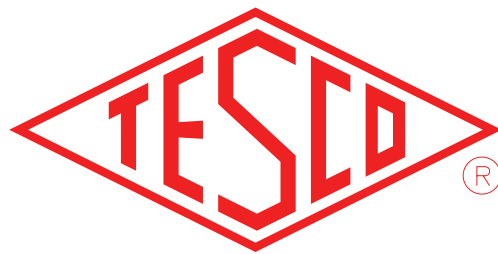


TESCO is pleased to announce the new TESCO Field Bag. This bag is constructed from a durable Polyduck material (Duck is a closely woven canvas material, the most durable fabric made) and includes an ergonomic shoulder strap. The bag weighs approximately one and a quarter pounds empty and is 12" tall x 13" wide x 9" deep. The TESCO Field Bag is designed to perfectly accommodate the tools used by today's metering professionals. Contact your local representative today to learn more and order yours today.

Contact TESCO today to learn more about how we can simplify all of your testing needs for both the meter shop and in the field.



TESCO FIELD BAG
CATALOG NO. 1048



*The Eastern Specialty Company
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Catalog No. 200

Line to Load Jumpers

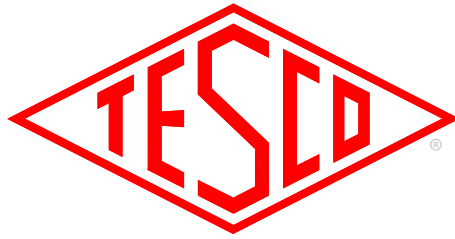


TESCO is pleased to announce our new 200 amp capacity line to load jumpers. These bypass jumpers allows the utility to perform meter maintenance without interruption of service to the downstream occupant. TESCO bypass jumpers are rated for 200 amps continuous duty and are made from a durable 1/8 thick tin plated copper with a durable insulating material covering everything except the blades. The dimensions of the jumpers are 3 5/8" wide x 1 1/4" high.

Contact TESCO today to learn more about how we can simplify all of your testing needs for both the meter shop and in the field.



**LINE TO LOAD JUMPERS
CATALOG NO. 200**



The Eastern Specialty Company
Providing Metering equipment since 1904

Catalog No. 646

TESCO Phase Angle Meter



PHASE ANGLE METER
CATALOG NO. 646

The TESCO Phase Angle Meter is a self contained portable device which requires no auxiliary equipment for its operation and furnishes a quick and direct method of checking relay and instrument connections.

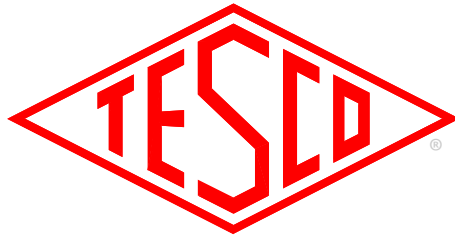
The TESCO Phase Angle Meter shows the angular relationship between one voltage and one current and is useful in switchgear (generator synchronizing) and metering (Power Factor) applications. The unit can also be used to measure the prevailing power factor in each phase of a polyphase watt-hour meter installation.

Features:

- Input powered—no batteries
- Rugged construction for field use
- Panel Display, viewable from a distance
- Ease of determining changing phase relationship

Variants:

- Voltages from 15 - 480 VAC
- Currents 1 to 10 Amp Taps
- Custom Inputs Available



The Eastern Specialty Company
Providing Metering equipment since 1904

Catalog No. 450

TESCO Tec Headlamp



TEC HEADLAMP
CATALOG NO. 450



**THE TEC 450 IS DESIGNED FOR HARD
HAT USE & WILL NOT SLIP IN EVEN THE
MOST SEVERE WEATHER**

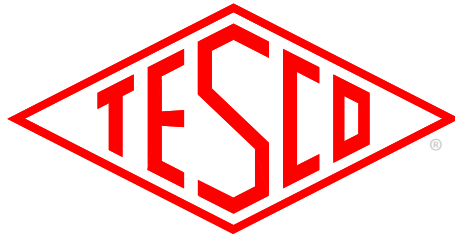
Explosion/Spark Proof UL Class 1/Div 1 Certified. Lifetime Warranty!

The Eastern Specialty Company is pleased to introduce the new Tec 450 UL Class 1/Div 1 Certified Headlamp. Class 1 locations are areas where flammable gases may be present in sufficient quantities to produce explosive or flammable mixtures. Div 1 areas are where explosive or flammable materials usually exist under normal conditions.

Specifications:

- Power- 50 Lumens
- Lamp- 1 Max Bright LED
- Burn Time- 115 hours
- Batteries- 3 AAA Alkaline (included) or Lithium
- Weight- 105g
- UL Rating- Approved
- UL Temp Code- T4
- Waterproof
- High, med and low output settings
- Regulated for constant output
- Durable Xylex body for maximum chemical resistance
- Includes rubber strap for hard hat use, also includes industrial Velcro and nylon strap

**Our Class 1/Div 1 lights have been designed
with SAFETY in mind.**



The Eastern Specialty Company
Providing Metering equipment since 1904

Catalog No. 230A

TESCO Ultrasonic Meter Cleaning System



ULTRASONIC METER CLEANING SYSTEM CATALOG NO. 230A

Features:

- Fully automated to allow for unattended and efficient operation.
- Can be incorporated with an automated meter handling system delivering meters to the testers automatically without additional handling.
- Overflow weirs to provide exact water level control and prevent water from reaching sensitive components.
- High power regenerating dryer to effectively dry the nooks and crannies of meters.
- Air nozzles to break up any pooled water when drying.
- High power ultrasonics delivered in the most effective manner with braized on transducer to blast away dirt and grime.
- Rim ultrasonics to concentrate power on the blades to attack the grease and dirt that damages valuable shop testing equipment.
- Heated wash and rinse water to enhance cleaning power.
- Automatic detergent injecting to maintain constant cleaning concentration.
- Fully programmable cycles to allow you to tune the system to your needs.
- TESCO Meter Cleaning Baskets to hold covers and meters securely for effective cleaning and transport.
- Efficient use of soap and water, pumping wash water from the cleaning chamber to a reservoir tank through a 20 micron filter to preserve soap and the environment.

TESCO's Ultrasonic Cleaning Systems are designed expressly for cleaning the covers and bases of electric watt-hour meters. The systems are unique since they do not use solvents or hazardous chemicals for cleaning. Instead, water, detergent, heat and ultrasonic energy are used to remove dirt, dust, grease, and oils.

The systems range from a manually operated unit to automated units offering continuous unattended cleaning. Specially designed baskets protect the meters during transportation and storage, and allow for complete cleaning of the cover and base. Water consumption is low; detergent is automatically added to the wash tank.

The Model 230A Ultra-Sonic Cleaning System can be used as the basis of a complete automated material handling system that eliminates in-process storage of meters and drastically reduces material handling in the department.

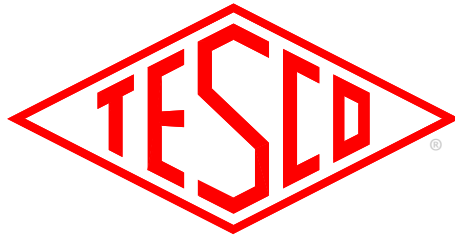
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Catalog No. 1010

TESCO Rotary Tab Switch

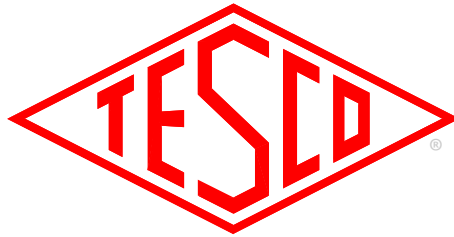


The TESCO Rotary Tab Switch incorporates features which are not found in other other switches.

Features:

- High Current Capacity
- Non-Arcing
- High Voltage Capacity
- Inductive Load Capacity
- Numerous circuit combinations
- Special High Current Connections
- Positive Action
- Compact Design
- Fully Enclosed
- Low Friction
- Low Contact Resistance
- Rigid Mounting

ROTARY TAB SWITCH
CATALOG NO. 1010



The Eastern Specialty Company
Providing Metering equipment since 1904

Catalog No. 900

TESCO Service Ground Test Set



SERVICE GROUND TEST SET
CATALOG NO. 900



CARRYING CASE FOR ABOVE
CATALOG NO. 901

The Catalog No. 901 Instrument Carrying Case has been designed for the TESCO Catalog 900. It is of rugged construction and features separate compartments for the instrument and leads. A carrying strap is provided for ease of handling.

This device has been designed to check the condition of the ground connection on a secondary service. If for any reason the ground connection has a resistance, this can be immediately detected by the Test Set.

The instrument consists essentially of a voltmeter which can be shunted by a resistance of 60 ohms. The voltmeter is of the suppressed zero type with a double range, from 65 to 130 or from 130 to 260, and can be used for checking service voltage independently of the ground test.

When making the ground test, connect one lead to a live 120 V leg of the service and the other lead to the ground connection. Depress the range button marked "130 V." The voltmeter will indicate the prevailing voltage. Then depress the button marked "Ground Test." Two amperes will now flow through the shunt resistor and the ground return. If the resistance of the ground is zero, then there should be no change in the reading of the voltmeter. But if the ground connection has measurable resistance, then part of the IR drop will be across the ground, leaving less across the shunt resistor, and the reading of the voltmeter will drop.

The suppressed zero magnifies the visible effect of the voltage drop and also facilitates reading of the actual voltage on a small meter of this type. Scale divisions are in increments of two volts in terms of the low range, four volts on the high range.

To assist in making a rapid check of the condition of the ground, the voltmeter scale is divided into colored sectors as follows:

- Red 65 to 86 Volts
- Yellow 86 to 106 Volts
- Green 106 to 130 Volts

The 86 and 106 volt points correspond, respectively, to ground resistance of 24 and 8 ohms.

In addition to checking service grounds, the Test Set can be used to check the condition of potential transformers on transformer rated metering installations. The current drain at 120 volts is 2 amperes, which will place a burden of 240 voltamperes on the secondary of the potential transformer. Any excessive deflection of the voltmeter will then indicate a condition requiring further investigation.

Specifications:

- **Size:** 6 1/2" x 4 1/8" x 2 5/8" (16.5 cm x 10.5 cm x 6.7 cm)
- **Weight:** 1 lb. 6 oz. (.63 kilo)

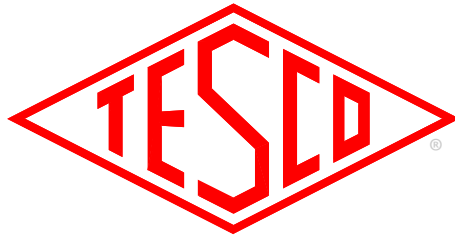
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Catalog No. 865

TESCO Transformer Polarity Checker



TRANSFORMER POLARITY CHECKER
CATALOG NO. 865



CARRYING CASE FOR ABOVE
CATALOG NO. 901

The Catalog No. 901 Instrument Carrying Case has been designed for the TESCO Catalog 865. It is of rugged construction and features separate compartments for the instrument and leads. A carrying strap is provided for ease of handling.

This instrument is used to check the correctness of polarity markings on transformers. In operation, the two leads carrying the test current are connected to one of the transformer windings. The other two leads from the indicating meter are connected to the other winding.

When the push button is depressed, DC current from a small dry cell flows through the transformer winding. The momentary induced voltage in the other winding causes the center-zero milliammeter to deflect in one direction. When the push button is released, the reverse induced voltage causes an opposite deflection.

The leads with the polarity marks are attached to the transformer terminals having polarity marks. If the latter are correct, the meter will deflect to the right when the button is depressed, to the left when it is released. Incorrect polarity will cause the meter deflections to be the reverse of the above.

The polarity checker can be used on all types of transformers through a great range of sizes. It will operate equally well on small electronic and instrument transformers, metering transformers, both potential and current, and large power transformers. A sensitivity control adjusts the current to suit the size of the transformer to be checked.

In addition to checking the polarity of a single transformer by itself, this device can be used to check out the correctness of the wiring in a transformer rated meter installation.

To use the polarity checker for this purpose, connect the test current leads to the isolated primary of one of the instrument transformers, either potential or current. The indicating meter leads are then connected to various terminals on the test switch or meter.

The small panel meter requires no calibration, and the size D dry cell is easily and quickly replaced.

Specifications:

- **Power:** one D size dry cell
- **Size:** 3 3/4" x 6 1/4" x 2 3/4" (9.5 cm. X 15.9 cm x 7 cm)
- **Weight:** 1 lb. 11 oz. (.77 kilo)

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