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TW Series "STRIPALL" Handheld Thermal Wire Strippers



INSTRUCTION
SHEET

M0016/0408

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GENERAL DESCRIPTION

The STRIPALL Thermal Wire Stripper is a compact, self-contained unit using no external transformers or power supplies. The rugged steel alloy heated blades are mounted on electrodes protruding from the front of the unit. The upper blade and electrode assembly is mounted on a movable arm which is operated by the thumb to apply pressure to close the jaws and contains a small red button that is depressed to heat the blades. Two adjustable stops, mounted on the fixed lower electrode assembly, can be set to regulate the length of strip and closing of the movable arm to prevent scraping of the conductor when removing the unwanted insulation.

As shipped from the factory, the blades are notched to receive AWG no. 24 or larger wire. For close stripping requirements, the notch should be slightly larger than the diameter of the wire to be stripped. The tool can be used with wire as small as AWG no. 43. For wire smaller than AWG no. 32, use unnotched blades. Additional blades, which may be obtained from OMEGA[®], are not notched so that the user may notch to his own requirements. Notched blades for any size wire may be obtained on special order from the factory.

CAUTION

When stripping PTFE, PVC, and silicone rubber insulations, it is recommended that the task be done in a well-ventilated area, as a small amount of toxic fumes may be emitted.

OPERATION

After connecting the STRIPALL to a convenient power outlet, the stops should be adjusted. The stop closest to the blades should be set to the exact distance from the blades for the length of insulation to be removed. The stop with the gray tapered arm should be set so that when the heated blades sever the insulation, they do not come in contact with the conductor. This adjustment assures that a clean, quality strip is obtained with no scraping of the blades against the conductor when the unwanted insulation is pulled off with the blades. If the STRIPALL has a Temperature Control Unit, the unit should be tested at various control settings to find a setting that severs the insulation with a minimum of burning, scorching, gassing, and flowing of the insulated material.

To operate the STRIPALL, proceed as follows:

STEP 1. INSERTING THE WIRE

- Place stripper in palm of hand with heel of thumb resting on Thumb Rest of movable arm, just behind the red Heat Button.
- Using free hand, insert wire between blades. Be certain that wire lies in the notch of lower blade. Push wire against Strip Stop to assure uniform stripping length.
- Using the minimum amount of pressure necessary, close the jaws with the heel of the thumb. Determine that wire is correctly placed in the notches of both blades. Do not rock thumb forward during closing action, as this will prematurely apply heat before blades are properly seated on wire covering.

STEP 2. APPLYING HEAT TO THE BLADES

- Rock thumb forward to depress Heat Button, maintaining pressure on stripper jaws. The blades will heat in two seconds or less, and slice through the wire covering.
- As blades sever covering, release Heat Button, retaining pressure on the stripper jaws.

NOTE: Do not maintain blade heat after insulation is severed. For best results, heat should be applied no longer than just necessary to sever covering.

- If wire diameter is larger than the blade notches, a slight rolling wrist motion may be necessary to sever the insulation.

STEP 3. REMOVING THE INSULATION

- With jaws still closed, allow blades to cool one or two seconds after release of Heat Button.
- Keeping pressure applied to handle, pull wire straight out from blades. Stranded wire will not untwist if the pulling action is perpendicular to the blades.
- Stripping is now completed, and the thumb pressure can be removed.

MAINTENANCE

After considerable use, the STRIPALL blades will become encrusted with residue from wire coverings. Sometimes this residue can be burned off by applying full heat to the blades for a minute. If not, it can be easily removed with a soft wire brush without damaging the blades.

When installing new blades, carefully check the alignment of notches, and be certain that the retaining screws are fully tightened to assure optimum blade heating.

CAUTIONS

The STRIPALL is designed for the application of heat to the blades only when cutting through the insulation. Continuous application of heat to the blades for periods longer than two minutes **voids the warranty**.

The STRIPALL will not function properly unless the blades are tightened as firmly as possible.



OMEGAnet® Online Service
omega.com

Internet e-mail
info@omega.com

Servicing North America:

U.S.A.:
ISO 9001 Certified
One Omega Drive, Box 4047
Stamford, CT 06907-0047
Tel: (203) 359-1660
FAX: (203) 359-7700
e-mail: info@omega.com

Canada:
976 Bergar
Laval (Quebec) H7L 5A1, Canada
Tel: (514) 856-6928
FAX: (514) 856-6886
e-mail: info@omega.ca

For immediate technical or application assistance:

U.S.A. and Canada: Sales Service: 1-800-826-6342/1-800-TC-OMEGA®
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Mexico:
En Español: (001) 203-359-7803
FAX: (001) 203-359-7807
e-mail: espanol@omega.com
info@omega.com.mx

Servicing Europe:

Czech Republic: Frystatska 184, 733 01 Karviná, Czech Republic
Tel: +420 (0)59 6311899
FAX: +420 (0)59 6311114
Toll Free: 0800-1-66342
e-mail: info@omegashop.cz

Germany/Austria: Daimlerstrasse 26, D-75392 Deckenpfronn, Germany
Tel: +49 (0)7056 9398-0
FAX: +49 (0)7056 9398-29
Toll Free in Germany: 0800 639 7678
e-mail: info@omega.de

United Kingdom: One Omega Drive, River Bend Technology Centre
ISO 9002 Certified
Northbank, Irlam, Manchester
M44 5BD United Kingdom
Tel: +44 (0)161 777 6611
FAX: +44 (0)161 777 6622
Toll Free in United Kingdom: 0800-488-488
e-mail: sales@omega.co.uk

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WARNING: These products are not designed for use in, and should not be used for, human applications.



WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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