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STS-2X

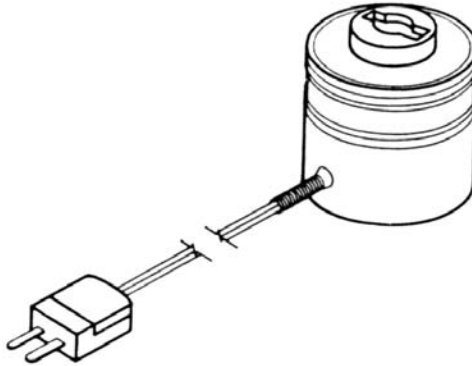
Soldering Iron Temperature Tester Module

INSTRUCTION
SHEET

M1298/0411

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Unpacking

Remove the packing list and verify that all equipment has been received. If there are any questions about the shipment, please call OMEGA Customer Service Department at 1-800-622-2378 or (203) 359-1660. We can also be reached on the Internet at omega.com, e-mail: cservice@omega.com.

Upon receipt of shipment, inspect the container and equipment for any signs of damage. Take particular note of any evidence of rough handling in transit. Immediately report any damage to the shipping agent.

NOTE:

The carrier will not honor any claims unless all shipping material is saved for their examination. After examining and removing contents, save packing material and carton in the event reshipment is necessary.

Description

The OMEGA STS-2X Soldering Iron Temperature Tester Module measures soldering iron tip temperature when used in conjunction with any OMEGA Type-K thermocouple/thermometer. The unique OMEGA sensor design makes this low-cost testing method possible. The STS-2X unit measures the temperature of soldering irons to 427°C (80°F). Rugged construction makes the STS-2X the ideal choice for use in production areas, maintenance work and field service applications.

SETUP AND OPERATION

Go through the following steps to set up and operate the STS-2X. The following procedures describe the steps to take when using the STS-2X in conjunction with a thermometer. Refer to the operator's manual of the meter you are using.

1. Turn on the soldering iron to be tested.
2. Turn on the Type K meter and set the display to show degrees Fahrenheit or Celsius. Plug the Type K subminiature male connector of the STS-2X into the mating thermocouple input connector on the meter.
3. Touch the soldering iron tip to the center of the soldering iron sensor and wait momentarily for the meter display to show the temperature of the tip. You are actually measuring the temperature of the solder on the sensor element being heated up by the soldering iron.
4. Remove the soldering iron from the sensor.
5. Repeat steps 3 and 4 as many times as necessary.

Specifications

Temperature:	0 to 427°C (32 to 800°F)
Cable Connection:	457 mm (18") long insulated leads
Case:	Aluminum
Connector:	Type K subminiature male connector (OMEGA part number SMP-K-M)
Dimensions:	50.8 D x 42.6 mm H (2 x 1.68")

Accessories

Part No.	Description
STS-H	Soldering iron sensor with element
STS-RE	Replacement element (package of 3)

Notes:

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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

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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