

Soldering Iron Tester ST2200

Precise Thermocouple Sensors Simulate Actual Solder Joints - Verifies Soldering Iron Integrity

Simple and Repeatable, the Wahl ST2200 Soldering Iron Tester gives you a choice of interchangeable sensors designed for utmost accuracy. Includes TC800K Type K Wire Probe, WST-02B Sensor, Sensor Cleaning Brush, User Manual, and NIST Certification.

Specify: °F or °C, 110 or 220 VAC, North American or European Plug and Receptacle, or British Plug and European Receptacle.

- **MIL-SPEC compliant millivolts AC only test with pass/fail warning light for voltage** (see video at www.palmerwahl.com/test-tools.php)
- **Pass/fail warning light for resistance test, user selectable 2 or 5 ohms**
- **Output to recorder: 1 mV°F, 100 mV/mV, 100 mV/ohm**
- **Transient voltage spike detector detects transients over 100 mV and 1µs pulse width**
- **Built-in thermocouple connector for Type K probes, wire probe included**
- **Function selection switch for fast tests without moving the iron tip**
- **Auxiliary AC convenience outlet powers iron under test and insures common ground with the tester**
- **Comprehensive Operators Handbook with calibration instructions and troubleshooting guide**
- **ESD safe construction**
- **Wrist strap tester verifies strap integrity**



KITS, REPLACEMENT SENSORS AND ACCESSORIES

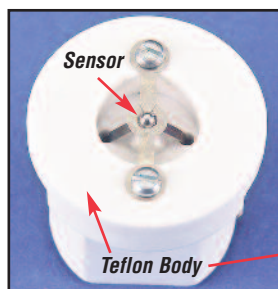
KST2200 Kit: includes ST2200 Soldering Iron Tester, TC800K Type K Wire Probe, (2) WST-02B Sensors, TC801P Solder Pot Probe, Sensor Cleaning Brush, User Manual, NIST Certification, and #12423-01 Carry Case. Specify °F/°C, 110/220VAC.

KST2203 Kit: Same as KST2200 but substitute (1) WST-03 Elevated Wire Sensor for (1) WST-02B.

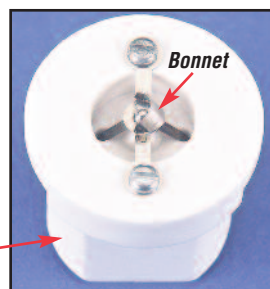
Replaceable Thermocouple Solder Bead Sensors Provide excellent thermal transfer when the solder is melted by the iron and gives a good representation of effective working tip temperature.

WST-02 Sensor: high temperature Type K ribbon thermocouple, stainless steel support strap, solder bead and glass filled teflon body (housing). Measures tip temperature of most small (<1/8") conical, chisel and screwdriver type soldering tips, (shown on tester above). Heavy duty sensor. Small to medium tips 0.2 gram mass.

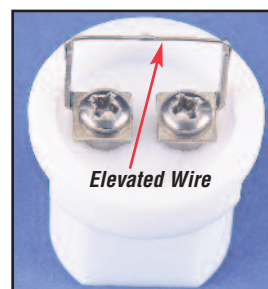
WST-02B Bonnet Sensor: Same as above, but with a "bonnet" which acts as a position stop to guide iron tips for repeatable measurements in the identical position. It also stabilizes the tip to prevent movement during measurement which can cause temperature fluctuations.



WST-02 Solder Bead Sensor



WST-02B Bonnet Sensor



WST-03 Elevated Wire Sensor



ST220F-110

Replaceable Sensor

Specifications

Temperature Range	50°F to 1300°F (10°C to 700°C)
Temperature Accuracy	Accuracy: $\pm 0.1\%$ of reading ± 1 digit
Resolution	Resolution: 0.1°F or 1°F
Tip Ohms Range	0-99.9 Ω
Tip Ohms to Ground Accuracy	Accuracy: 0-20 $\Omega \pm 0.1 \Omega$
Resolution	20-100 $\pm 0.5\%$ of reading
Resolution	Resolution: 0.01 or 0.1 Ω
Tip mV to Ground Range	0 - 30mV
Tip mV to Ground Accuracy	Accuracy: ± 0.1 mV
Resolution	Resolution: 0.01mV or 0.1mV

WST-03 Elevated Wire Sensor: welded thermocouple wire sensor, support posts and glass filled teflon body. May be used when the iron tip is not compatible with the WST-02 sensors. Allows the operator to measure temperature at an exact point on the iron tip. For all tip sizes.

Sensor Rebuilding Kits allows user to "rebuild" the sensor.

WST-02KIT: Rebuilding Kit for use with WST-02 Sensor, includes (1) Sensor, (4) Screws, (2) Plugs, and Instruction Sheet.

WST-02BKIT: Rebuilding Kit for use with WST-02B Sensor, includes (1) Sensor, (4) Screws, (2) Plugs, and Instruction Sheet.

WST-03KIT: Rebuilding Kit for use with WST-03 Sensor, includes (1) Sensors, with supports, (4) Screws, Uses standard phillips head screwdriver. Teflon body or housing is not included in rebuilding kits.

WST-02RT: Repair tool kit for use with WST-02, -02B Rebuilding Kits. Includes fixture, removal tool and screwdriver.

12423-01: Carrying Case, Double walled, Foam-lined, 17" x 13" x 7-3/8".

TC867: Sensor Assembly for direct temperature measurement only, from a Heat Prober® Thermocouple Meter.

For Optional Probes please call Customer Service.

Calibration Services Available

(800) 421-2853 • FAX (828) 658-0728 • www.palmerwahl.com

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