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. NIST Traceable Certificate of Conformance is available.

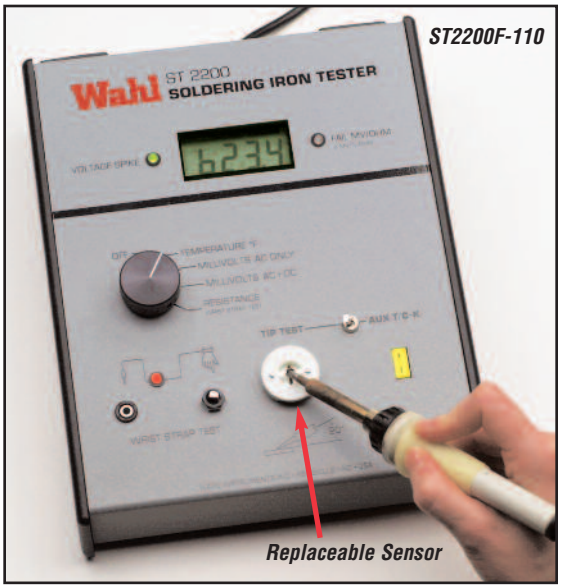
Specify: °F or °C, 110 or 220 VAC, North American or European Plug and Receptacle, or British Plug and European Receptacle.

- **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**

THREE YEAR 3 WARRANTY

TRACEABLE TO NIST

MADE IN THE USA



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

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, and #12423-01 Carry Case. Specify °F/°C, 110/220VAC. NIST Traceable Certificate available.

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.

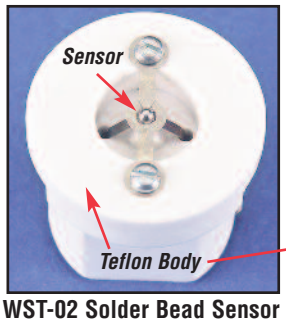
WST-03 Elevated Wire Sensor: welded thermocouple wire sensor, support posts and glass filled teflon body. May be used when the iron tip is not compatible with the WST-02 sensors. Allows the operator to measure temperature at an exact point on the iron tip. For all tip sizes.

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

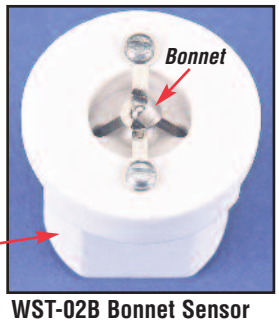
WST-02KIT: Rebuilding Kit for use with WST-02 Sensor, includes (1) Sensor, (4) Screws, (2) Plugs, and Instruction Sheet.

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

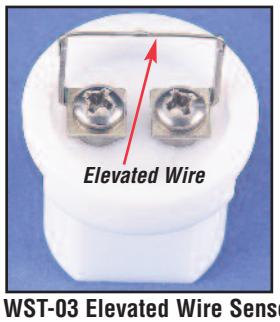
WST-03KIT: Rebuilding Kit for use with WST-03 Sensor, includes (**1**) Sensors, with supports, (4) Screws, Uses standard phillips head screwdriver. Teflon body or housing is not included in rebuilding kits.



WST-02 Solder Bead Sensor



WST-02B Bonnet Sensor



WST-03 Elevated Wire Sensor

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