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.palmewahl.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

**KITS, REPLACEMENT SENSORS AND ACCESSORIES**


**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-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.

**Specifications**

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>50°F to 1300°F (10°C to 700°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Accuracy</td>
<td>Accuracy: ±0.1% of reading ±1 digit</td>
</tr>
<tr>
<td>Resolution</td>
<td>Resolution: 0.1°F or 1°F</td>
</tr>
<tr>
<td>Tip Ohms Range</td>
<td>0-99.9 Ω</td>
</tr>
<tr>
<td>Tip Ohms to Ground Accuracy</td>
<td>Accuracy: 0-20 Ω ±0.1 Ω</td>
</tr>
<tr>
<td>Resolution</td>
<td>20-100 ±0.5% of reading</td>
</tr>
<tr>
<td>Resolution</td>
<td>Resolution: 0.01 or 0.1 Ω</td>
</tr>
<tr>
<td>Tip mV to Ground Range</td>
<td>0 - 30mV</td>
</tr>
<tr>
<td>Tip mV to Ground Accuracy</td>
<td>Accuracy: ±0.1mV</td>
</tr>
<tr>
<td>Resolution</td>
<td>Resolution: 0.01mV or 0.1mV</td>
</tr>
</tbody>
</table>

**Calibration Services Available**

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

Continued Innovation since 1836