

## ST2200 Verifies Soldering Iron Integrity



ST2200 Soldering Iron Tester with WST02B Thermocouple Solder Bead Sensor

### Precise Thermocouple Sensors Simulate Actual Solder Joints

The **ST2200 Soldering Iron Tester** gives you a choice of interchangeable sensors designed for utmost accuracy. Includes **Sensor WST02B**, Type K Probe, Handbook, Sensor Cleaning Brush. Specify °F or °C, 115 or 220V AC.

The **WST02 Thermocouple Solder Bead Sensor** simulates a solder joint. Measures tip temperature of most small (<1/8") conical, chisel and screwdriver type soldering tips. It provides excellent thermal transfer when the solder is melted by the iron and gives a good representation of effective working tip temperature. Small to medium tips 0.2gr mass.

The **WST02B Thermocouple Solder Bead Sensor** (shown on the tester) Measures tip temperature of most small (<1/8") conical, chisel and screwdriver type soldering tips. Has a "bonnet" or position stop to guide iron tips for repeatable measurements. Small to medium tips 0.2gr mass.

The **WST03 Elevated Wire Sensor** May be used on larger tips. Lets the operator measure temperature at an exact point on the iron tip.

### Replacement Sensors and Kits

**KST2200 Q.C. KIT:** includes ST2200 Soldering Iron Tester, WST02B Thermocouple Solder Bead Sensor, spare Sensor, TC801P Solder Pot Probe, WST34 Case, Handbook. Specify °F or °C, 115 or 220V AC.

**KST2203** Same as KST2200 but substitute WST03 Elevated Wire Sensor.

**WST34** ESD Protected Carrying Case

**WST02KIT** Rebuilding Kit includes: Sensors, Screw, & Plugs.

**WST02BKIT** Rebuilding Kit includes: Sensors, Screw, & Plugs.

**WST03KIT** Rebuilding Kit includes: Sensors, Screw, & Plugs.

### Specifications

Temperature Range	50°F to 300°F (10°C to 700°C)
Temperature Accuracy	Accuracy: $\pm 0.1\%$ of reading $\pm 1$ digit
Resolution	Resolution: 0.1°F or 1°F
Tip Ohms Range	0-99.9 $\Omega$
Tip Ohms to Ground Accuracy	Accuracy: 0-20 $\Omega$ $\pm 0.1\Omega$
Resolution	20-100 $\pm 0.5\%$ of reading Resolution: 0.01 $\Omega$ and 0.1 $\Omega$
Tip mV to Ground Range	0 - 30 mV
Tip mV to Ground Accuracy	Accuracy: 0-20mV $\pm 0.1$ mV
Resolution	Resolution: 0.01mV and 0.1mV

### Features

- Output to recorder: 1 mV/°F, 100 mV/mV, 100 mV/ $\Omega$ .
- Transient voltage spike detector detects transients over 100 mV and 1 $\mu$ s pulse width.
- MIL-SPEC pass/fail warning light for voltage and resistance test. User selectable 5 or 2  $\Omega$ .
- 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.
- Built-in thermocouple connector for type K probes. Wire probe included.
- Comprehensive Operators Handbook with calibration instructions and troubleshooting guide.
- Wrist strap tester verifies strap integrity. • ESD safe construction.

### NIST CERTIFICATION

NIST Certification is included in delivery with the ST2200.



## Soldering Iron Sensors

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The **WST03 Elevated Wire Sensor** May be used on larger tips. Lets the operator measure temperature at an exact point on the iron tip. For all tip sizes.