

Battery Tester ST2523

- Graphical scanning and analysis
- 4.3" color display, 480x272
- 4-terminal test
- Max. test speed 50 times/s
- Min. resolution of impedance: $1\mu\Omega$
- Min. resolution of voltage: $100\mu\text{V}$
- R, V, L, Z, θ test
- Foot switch trigger function

Specifications

- Direct and $\Delta\%$ display
- Range mode: Auto, Hold
- V, I test signal level monitor function
- Trigger Mode: Internal, manual, external and bus
- 1kHz AC constant current source test
- Constant current: $10\mu\text{A}$, $100\mu\text{A}$, 1mA , 10mA , 100mA
- 10 bin comparator, high limit, low limit, pass and alarm function
- Maximum sample rate: 50 Samples/sec
- Measurement speed: FAST 50/s, MED 10/s, SLOW1 5/s, SLOW2 3/s
- Statistics function: CpK, Cp etc.
- 100 groups of files can be saved and loaded
- Screen information can be saved to USB disk
- Data communication with PC and remote control through interfaces: RS232, USB Device, Handler, GPIB (optional)
- Automatic update through USB HOST

What's in the box

- Manual
- Factory calibration certificate

General

- Operating temperature and humidity: $0^{\circ}\text{C} - 40^{\circ}\text{C}$, $\leq 90\%$ RH
- Power requirements: Voltage: $100-120\text{V}$, $198\text{V} - 242\text{V}$
- Frequency $47\text{Hz} - 63\text{Hz}$
- Power consumption: max. 15VA
- Dimensions (W/H/D): $215/87/335\text{mm}$, with protectors: $235/105/360\text{mm}$
- Weight: $\sim 3.6\text{ kg}$

Options

- Software ST[®]Meter 3.0
- Calibration service



Technical Specifications			
Model		ST2523	ST2523A
Display	Panel	4.3" 480x272 24-bit color TFT display	
	Displayed digits	R	slow 4 $\frac{3}{4}$ digits, max. displayed value 35000 fast 3 $\frac{3}{4}$ digits, max. displayed value 3500
V		slow 4 $\frac{3}{4}$ digits, max. displayed value 35000 fast 3 $\frac{3}{4}$ digits, max. displayed value 3500	
Parameter		R, V, R-V, Z- θ° , Z- θr , L-Q, L-R, R-X, R-Q	
Basic accuracy		R: 0.1%, V: 0.05%	
Test signal source	Frequency	1kHz $\pm 0.2\text{Hz}$ sine waveform	
	Constant current	100mA / 10mA / 1mA / 100 μA / 10 μA	
Display range	R/Z/X	$1\mu\Omega - 3.5\text{k}\Omega$	
	DC V	$100\mu\text{V} - 65\text{V}$	$100\mu\text{V} - 350\text{V}$
	L	$0.2\text{nH} - 1\text{H}$	
	Q	$0.001 - 9999.9$	
	$\theta\text{d}(\text{deg})$	$-179.99^{\circ} - 179.99^{\circ}$	
	$\theta\text{d}(\text{rad})$	$-3.1416 - 3.1416$	
Math operation		Direct reading, ΔABS , $\Delta\%$	
Range	AC R	$30\text{m}\Omega / 300\text{m}\Omega / 3\Omega / 30\Omega / 300\Omega / 3\text{k}\Omega$	
	DC V	$6\text{V} / 60\text{V}$	$30\text{V} / 300\text{V}$
Max. input voltage		65V	350V
Measurement speed (measures/s)		Fast: 50 meas/s Medium: 10 meas/s Slow1: 5 meas/s Slow2: 3 meas/s	
Comparator		10-bin sorting PASS/FAIL on front panel	
Range Mode		Auto, Hold	
Trigger mode		Internal, Manual, External, Bus	
Operation mode		Test leads contact inspection; DUT I/V monitor; REL; short "0"; 1-255 average; delay setting; graphical analysis and scanning; USB storage; max. 100 groups of files save/load; Statistics of max. 30000 data points	
Interface	Control	HANDLER on rear panel	
	Communication	USB Device, RS232C, GPIB (optional)	
	Memory	USB Host (USB stick)	

