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: 1µˉ
- Min. resolution of voltage: 100µV
- R, V, L, Z, ° test
- Foot switch trigger function

Speciÿcations

- Direct and ˜% 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: 10µA, 100µA, 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 ÿles 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

General

- Operating temperature and humidity: 0℃ - 40℃, ˙90% RH
- Power requirements: Voltage: 100-120V, 198V - 242V
- Frequency 47Hz - 63Hz
- Power consumption: max. 15VA
- Dimensions (W/H/D): 215/87/335mm, with protectors: 235/105/360mm
- Weight: ~3.6 kg

Options

- Software ST®Meter 3.0
- Calibration service

Technical Speciÿcations				
Model			ST2523	ST2523A
Display	Panel		4.3" 480x272 24-bit color TFT display	
	Displayed digits	R	slow 4¾ digits, max. displayed value 35000 fast 3¾ digits, max. displayed value 3500	
		V	slow 4¾ digits, max. displayed value 35000 fast 3¾ digits, max. displayed value 3500	
Parameter			R, V, R-V, Z-°°, Z -°r , L-Q, L-R, R-X, R-Q	
Basic accuracy			R: 0.1%, V: 0.05%	
Test signal source	Frequency		1kHz ±0.2Hz sine waveform	
	Constant current		100mA / 10mA / 1mA / 100µA / 10µA	
Display range	R/Z/X		1µˉ - 3.5kˉ	
	DC V		100µV - 65V	100µV - 350V
	L		0.2nH - 1H	
	Q		0.001 - 9999.9	
	°d(deg)		-179.99° - 179.99°	
	°d(rad)		-3.1416 - 3.1416	
Math operation			Direct reading, ˜ABS, ˜%	
Range	AC R		30mˉ / 300mˉ / 3ˉ / 30ˉ / 300ˉ / 3kˉ	
	DC V		6V / 60V	30V / 300V
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 ÿles 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)	