

ST2822 Series Handheld LCR Meter

Features

- 0.1% high test accuracy
- Maximum test signal frequency : 100kHz
- Selectable test signal level
- With DCR function
- Enhanced protection capability of input terminal impact
- 40000 counts for primary parameter, D/Q resolution 0.0001
- Typical ultra-low consumption: 25mA
- Innovatively compatible terminal configuration: 5-terminal test slot and 3-terminal rubber jack
- Intellectualized auto LCR function
- AC test speed up to 4 meas/sec (DCR: 3 meas/sec), fast automatic range switch design
- Constant 100Ω output impedance
- Percentage display and 4-tolerance comparator: 1/5/10/20%
- Battery charge in startup & shutdown
- Test terminal protection function
- Data-hold, Max./Min./Average value recording
- Real-time function configuration selection and working condition hold capacity
- Standard configuration Mini-USB communication interface and SCPI command set
- Free FastAccess PC communication software on our website
- Gorgeous dual-color cast shell



ST2822 series

Dimension: 90(W) x 190(H) x 40(D)
Weight: 350g

Brief Introduction

■ With its advanced impedance test technology, Saluki Tech has launched ST2822 series handheld LCR meters. This series currently possess the most powerful functions and outstanding performance in this industry comparable with bench LCR meters. Meanwhile it is the achievement of Saluki in the passive-component testing field.

ST2822 series apply the ultra-low power consumption design and high density SMD assembly techniques and can simultaneously display primary and secondary parameters on a LCD display with backlight. The dual-color shell is gorgeously once shaped; and functions are easy to operate. The test frequency is up to 100 kHz, the readings of primary parameter 40,000 counts and the resolution of dissipation factor 0.0,001. Accurate and convenient measurements of passive-components can be achieved in different occasions for a long time. In order to meet different market demand, multiple signal level and DCR test function are increased on ST2822D/E. The test accuracy can reach 0.1%. With USB interface, ST2822 series can conveniently communicate with a PC and be remotely controlled by a PC. In order to satisfy the increasing test requirements for SMD and balance the different needs for performance and price, two types of 4-terminal Kelvin test tweezers: ST26009C and ST26029C are optional for users' choice.

Specifications

Model	ST2822A	ST2822C	ST2822D	ST2822E
Function				
Test Parameter	Primary parameters: L / C / R / Z Secondary parameters: D / Q / R /θ/ ESR		Primary parameters: L / C / R / Z/ DCR Secondary parameters: D / Q / R /θ/ ESR	
Equivalent Circuit	Series and Parallel			
Parameter and Equivalent Mode	Hold, Auto			
Ranging Mode	Auto			
Measurement Terminals	3-terminal, 5-terminal			
Measuring Speed	4meas/sec, 1.5meas/sec			
DCR Measuring Speed	-----		3meas/sec	
Calibration Function	Open, short			
Comparator Function	1%, 5%, 10%, 20%		1%, 5%, 10%, 20%	
Input fuse	0.1A / 250V			
Interface	Mini-USB (virtual serial port)			
Test signal				
Test Frequency	100Hz, 120Hz, 1kHz, 10kHz,	100Hz, 120Hz, 1kHz, 10kHz, 100kHz	100Hz, 120Hz, 1kHz, 10kHz,	100Hz, 120Hz, 1kHz, 10kHz, 100kHz
Test Level	0.6Vrms		0.3 Vrms, 0.6 Vrms, 1 Vrms	
Output Resistance	100Ω			
Display				
Display	LCD Primary-Secondary dual display, with backlight (ST2822 not available)			
Reading	Max. Primary parameters: 40,000 digits, secondary parameters D/Q Minimum resolution: 0.0001			
Basic accuracy	0.25%		0.1%	
Measuring Range				
L	0.00μH - 1000.0H	0.000μH - 1000.0H	0.00μH - 1000.0H	0.000μH - 1000.0H
C	0.00pF - 20.000mF	0.000pF - 20.000mF	0.00pF - 20.000mF	0.000pF - 20.000mF
Z/R	0.0000Ω- 10.000MΩ			
DCR	-----	-----	0.0000Ω- 20.000MΩ	
ESR	0.0000Ω- 999.9Ω			
D	0.0000 - 9.999			
Q	0.0000 - 9999			
θ	0.00°- ±180.0°			
Power Requirements				
Battery model	ST2822 / A : IEC 6LR61, 9V alkaline battery ST2822C/D/E : LH-200H7C,8.4V Ni-MH 200mAH rechargeable			
AC power adapter	battery Input: 220V/50Hz, Output: 12V-15V (100Ω Load)			
Standby Currant	Max.2μA	18μA	11μA	
Battery life	16 hours (typical) , new alkaline battery, with backlight off			
Auto power off	5min, 15min, 30min, 60min, OFF available; Factory Default : 5min			
Low voltage indicator	When battery voltage drops below 6.8V, low voltage indicator turns on.			

Standard Accessories

MINI USB Communication cable
ST26028 AC power adapter
ST26004F Two-terminal Test Cable
ST26010B Gilded shorting plate

ST26027AS 4 terminal Kelvin test cable
ST26029C SMD Kelvin test cable(not included in ST2822/A)
8.4V Rechargeable battery(not included in ST2822/A)
Alkaline battery (only for ST2822/A)