

LCR METER

CKT431/CKT432/CKT433 HANDHELD LCR METER

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INTERFACE:

- BUILD-IN MINI-USB
- CHARGING

BRIEF INTRODUCTION

CKT431/432/433 handheld LCR meter adopts high performance 32-bit ARM microprocessor. True-color TFT liquid crystal display, keypad and touch-screen double control. Using Li-battery supply power. USB communSwitch in both English and Chinese. CKT431/432/433 handheld LCR meter have the highest configuration. With the highest frequency of 100kHz, constant 100Ω source internal resistance, 0.6Vrms measurement voltage level, and 0.2% accuracy, make CKT431/432/433 have the excellent-performance of both desktop instrument and portability of handheld.

STANDARD ACCESSORIES



Four-terminal Kelvin test clip



DC power adapter



Red and black rubber plug



Mini-USB cable



Short circuit piece



High capacity lithium battery

FEATURES:

- High performance 32-bit ARM microprocessor
- True-color TFT liquid crystal display
- U disk copy screen
- Real-time data storage

SPECIFICATION:

SPECIFICATIONS	
	CKT431/CKT432/CKT433 Handheld LCR Meter
Main Parameters	L, C, R, Z
Sub Parameters	D, Q, θ_r , θ_d , X, ESR
Basic Accuracy	0.2%
Frequency	CKT431: 100Hz, 120Hz, 1kHz, 10kHz CKT432: 100Hz, 120Hz, 1kHz, 10kHz, 40kHz, 100kHz CKT433: 100Hz~100kHz (continuously adjustable at a step of 1Hz)
Display Range	L: 0-2000H C: 0-20mF R: 0-20MΩ D: 0.0001 - 9.999 Q: 0.0001 - 999.9 $\Delta\%$: -9999% - 9999% θ (deg): -179.99 - 179.99° θ (rad): -3.1416 - 3.1416
Speed	1 time/s (slow), 2 times/s (medium), 4 time/s (fast)
Source Resistance	100Ω
Internal Bias	0-500mV adjustable, at a step of 1mV
Signal Level	0.1Vrms, 0.3Vrms, and 0.6Vrms; CKT433 (0-0.7V adjustable)
Range	Automatic or Manual
Display Max	Principle Parameter: 49999; Sub Parameter: 49999
Adjustment	Open/short scan frequency correction for each range
Comparator	1 set, compare main parameters
Trigger	Internal
Interface	Build-in Mini-USB interface (virtual interface) ; Charging interface
Others	2.8 inch true-color 16M color TFT-LCD display; USB communication; compatible SCPI instruction set; switch in both English and Chinese; adjustable back light; automatic power off
GENERAL FEATURES	
Power Supply	Input: 100-240V~50/60Hz 0.35A; Output: 9V 1A DC
Battery Parameter	8.4V, Li, 1400mAh rechargeable battery
Working Time	Highlight 30%≥14 hours, Highlight 50%≥12 hours, Highlight 100%≥9 hours
Size and Weight	Outside (mm) : 90(Width)x190(Height)x31(Depth); Weight: 1KG
ORDERING INFORMATION	
Accessories	Four-terminal Kelvin test clip; DC adapter; High capacity lithium battery; Mini-USB cable



CKT

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