

LCR Meters

ELC-133A/132A

20,000 Counts Dual Display LCR Meter

Features

- Dual display, 20,000/1,000 counts
- 0.7% basic accuracy
- Auto/manual ranging
- Measurement parameters: R, L, C, D, Q, θ (θ :ELC-133A only)
- Test Frequency: 100Hz/120Hz/1K/10KHz selectable (ELC-133A)
120Hz/1KHz selectable (ELC-132A)
- Parallel/Serial test mode
- Relative mode
- Self calibration
- Static recording (Max/Min/Avg)
- Tolerance mode (1%, 5%, 10%, 20%)
- External DC power operation
- Auto power off
- Low battery indicator
- Overmolded case, integrated holster
- Optical RS-232 interface
- Backlit (ELC-133A only)
- Measurement Ranges: L:2mH to 1,000H; C:2,000pF to 10mF
R:20 Ω to 10M Ω Q:.000 to 999 Auto
D:.000 to 999 Auto; θ : $\pm 90^\circ$

RS-232



CE ELC-132A
NEW



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Ordering Information ELC-133A/132A

Standard Accessories:
Manual, Battery, Test leads (TL23)

Optional Accessories
CP-09 PC Communication Software Package With RS-232 Cable
EA-55 AC220V to DC Adaptor
EA-112 AC120V to DC Adaptor
EC-170 Soft Carrying Case
TW-01 SMD Tweezers

Specifications	ELC-133A	ELC-132A
Test frequency	100/120/1K/10KHz	120/1KHz
Resistance		
Range	20 Ω -10M Ω	20 Ω -10M Ω
Basic accuracy	100/120/1KHz: $\pm(0.5\%rdg+3dgt)$ 10KHz: $\pm(1.5\%rdg+5dgt)$	120/1KHz: $\pm(0.5\%rdg+3dgt)$
Resolution	0.001 Ω -0.001M Ω	0.001 Ω -0.001M Ω
Capacitance		
Range	200pF-10mF	2000pF-10mF
Basic accuracy	100/120/1KHz: Cx: $\pm(0.7\%rdg+3dgt)$, DF<0.5 DF: $\pm(0.7\%rdg+100/Cx+5dgt)$, DF<0.5 10KHz: Cx: $\pm(1.5\%rdg+5dgt)$, DF<0.5 DF: $\pm(1.5\%rdg+100/Cx+6dgt)$, DF<0.5	120/1KHz: Cx: $\pm(0.7\%rdg+3dgt)$, DF<0.5 DF: $\pm(0.7\%rdg+100/Cx+5dgt)$, DF<0.5
Resolution	0.1pF-0.001mF	0.1pF-0.001mF
Inductance		
Range	2000 μ H-1000H	2000 μ H-1000H
Basic accuracy	100/120/1KHz: Lx: $\pm[0.7\%rdg+(Lx/10000)\%+5dgt]$, DF<0.5 DF: $\pm(1.2\%rdg+100/Lx+5dgt)$, DF<0.5 10KHz: Lx: $\pm[1.5\%rdg+(Lx/10000)\%+8dgt]$, DF<0.5 DF: $\pm(2\%rdg+100/Lx+10dgt)$, DF<0.5	120/1KHz: Lx: $\pm[0.7\%rdg+(Lx/10000)\%+5dgt]$, DF<0.5 DF: $\pm(1.2\%rdg+100/Lx+5dgt)$, DF<0.5
Resolution	0.1 μ H-0.1H	0.1 μ H-0.1H
Dissipation factor	.000-999 Auto	.000-999 Auto
Quality factor	.000-999 Auto	.000-999 Auto
θ measurement	$\pm 90^\circ$	
Tolerance mode	1%, 5%, 10%, 20%	1%, 5%, 10%
RS-232 interface	standard	
Dimensions (L x W x H)	182 x 85 x 40mm	182 x 85 x 40mm
Weight	0.3kgs	0.3kgs