

Handheld LCR Meter GPS-135A



GPS-135A 100KHz PROFESSIONAL RUGGED DESIGN AUTO-RANGING 100KHz LCR Meter

These meters have the features needed to trouble shoot most electrical, electro-mechanical and heating and ventilation problems. They are simple to use and have significant features, more measurement functions, conforms to the latest safety standards, handheld LCR Digital electric bridge 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 communication.

GPS-135A handheld LCR digital 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 GPS-135A have the excellent performance of both desktop instrument and portability of handheld.

Key Features

- 2.8" True-color TFT-LCD
- 100Hz,120Hz,1kHz,10kHz,100kHz
- Touch screen
- Data hold function
- USB communication
- compatible SCPI instruction set
- Adjustable back light
- Automatic power off
- Provide lithium battery

Ideal for

- Circuit measurements
- Wind power, PV power and other renewable energy equipment
- PCB design and repair
- Electric power systems
- Industrial scenarios of electric debug testing and measuring
- Education and science research
- Plant automation systems

Technical Specifications

Model	GPS-135A
Main Parameters	L,C,R,Z
Sub Parameters	D, Q, θ_r , θ_d , X,ESR
Accuracy	0.2%
Frequency	100Hz,120Hz,1KHz,10KHz,100KHz
Display Range	L: 0.01 μ H-9999H C: 0.01pF - 9999 μ F R,Z: 0.0001 Ω -99.99M Ω D: 0.0001 - 9.999 Q: 0.0001 - 999.9 Δ ‰: -9999‰ - 9999‰ θ (deg):-179.99°-179.99° θ (rad) :-3.1416 - 3.1416
Speed	4 times/second, 1.5 times/second
Source Resistance	100 Ω
Signal Level	0.6Vrms
Range	Automatic or Manual
Display Max	Principle Parameter: 49999 Sub Parameter : 49999
Adjustment	Open/short scan frequency correction for each range
Comparator	1 sets, 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 Touch screen USB communication compatible SCPI instruction set adjustable back light automatic power off
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% \geq 14 hours, Highlight 50% \geq 12 hours , Highlight 100% \geq 9 hours
Dimension / Weight	90mm (W)x190mm (H)x35mm(D) / 400g
Accessories	four-terminal Kelvin test clip ,DC adapter , Li-battery Mini-USB Communication cable, data acquisition software, User manual