

APPA 700 SERIES LCR METERS

FEATURES:	APPA 701	APPA 703
Digital display	2,000/20,000 count	2,000/20,000 count
Analog Bar graph Segments	46	46
Auto Backlit, Dual Display	•	•
Auto Selection of LCR testing	•	•
Auto Ranging	•	•
Measurement Parameters	L,C,R,D,Q,EsR	L,C,R,D,Q, θ , EsR
Testing Frequency 100Hz/120Hz/1kHz/10kHz/100kHz selectable	•	•
Testing Frequency 100Hz/120Hz/1kHz/10kHz selectable	•	•
Parallel/Serial test mode	•	•
Sorting mode for QC	•	•
Data Hold	•	•
Self-Calibration	•	•
External DC Power operation	•	•
Max/Min	N/A	•
Zeroing Mode	•	•
Low battery Indication	•	•
Automatic power shut off	•	•
USB interface	•	•
2 wires Easy Testing	•	•
6 wires Accuracy Testing	•	•
Full Accessories	Standard Accessories	•

SPECIFICATIONS:(All at 23°C±5°C, ≤ 80% R.H.) Multiply accuracy digit by 10 in 20,000 count mode.

Inductance:	Ranges:	20 μ H~2000H	20 μ H~2000H
	Resolution:	0.001 μ H	0.001 μ H
	Basic Accuracy:	± (0.2%+5d)	± (0.2%+5d)
Capacitance:	Ranges:	20pF~20mF	20pF~20mF
	Resolution:	0.001pF	0.001pF
	Basic Accuracy:	± (0.2%+3d)	± (0.2%+3d)
Resistance:	Ranges:	20 Ω ~2000M Ω	20 Ω ~2000M Ω
	Resolution:	0.001 Ω	0.001 Ω
	Basic Accuracy:	± (0.2%+2d)	± (0.2%+2d)
DC Resistance:	Ranges:	20 Ω ~2000M Ω	20 Ω ~2000M Ω
	Resolution:	0.001 Ω	0.001 Ω
	Basic Accuracy: 40Hz~100KHz	± (0.2%+2d)	± (0.2%+2d)
Q:	Ranges:	0.000~999	0.000~999
	Resolution:	0.001	0.001
D:	Ranges:	0.000~999	0.000~999
	Resolution:	0.001	0.001
θ :	Ranges:	N/A	± 90°
	Resolution:		1°

GENERAL:		
Sampling Rate:	5times/sec	5times/sec
Overload Indication: "OL" or "-OL"	•	•
Low Battery Indication	□	□
Auto Power Off: Approx. 10 minutes	•	•
Operating Temperature: 0°C ~ 50°C, ≤80% RH	•	•
Storage Temperature: - 20°C ~ 60°C	•	•
Temperature Coefficient: 0.15 (Spec. Acc) / °C, < 18°C or >28°C	•	•
Power Requirement: AA size 1.5V x 4 batteries (NEDA 15A or IEC LR6)	•	•
Battery Life: In hours (Alkaline battery)	30	30
Size: 95mm(W) x 200mm (L) x 51.20 mm(H), without holster	•	•
Weight: In grams (with holster)	605	605
Accessories: Alligator Clips, Magnetic Hanging Kit, Alkaline batteries (installed) and manual	•	Also included 4 wries SMD clip, DC power cord, USB cable and CD-ROM software.

Specifications subject to change without notice.

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APPA 700 Series LCR Meters

Automatic Selection Technology



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ISO 9001 CERTIFIED



Advanced Instrument Technology Made Easy



DAY & NIGHT

An innovative auto ON/OFF backlit feature give you fulltime display visibility and increased battery life.



FULL AUTOMATIC SELECTION

Automatically measuring L, C and R with Q, D, and θ (703) by just turn on the meter, ...the first ever-smart LCR meter.



USB INTERFACE

Safe and easy used USB interface to connect to PC for data acquisition or connect to a DC power supply.

BATTERY EASY TO REPLACE

Unscrew only one screw to remove battery door for battery replacement, designed for user's convenience without opening the bottom case.



EXTRA PROTECTION

Ergonomically designed slim shape protective holster that includes a built-in tilt stand, a nail hook, and convenient test lead storage. This holster provides an extra degree of protection and convenience for your meter.



NO-OPTION FULL ACCESSORIES

Ergonomically designed test clip with comfort-grip (701, 703), 4-wires SMD test clip, AC power adaptor, USB cable and a CD software(703)



NEW APPA 701

20,000/2,000 count dual digital display
46 segments Bar graph display
Auto Selection of LCR Testing
Auto Ranging
Auto Backlit
0.2% basic accuracy Capacitance and Inductance
Measurement Parameters: L.C.R.D.Q., EsR
Testing Frequency: 100Hz/120Hz/1KHz/10KHz selectable
Parallel/Serial test mode
Sorting mode for QC
Data Hold
Self Calibration
External DC power operation
Zeroing Mode
Low Battery Indication
Auto Power Off
Optical USB interface
2 Wires Easy Testing
6 Wires Accuracy Testing

NEW APPA 703

20,000/2,000 count dual digital display
46 segments Bar graph display
Auto Selection of LCR Testing
Auto Ranging
Auto Backlit
0.2% basic accuracy Capacitance and Inductance
Measurement Parameters: L.C.R.D.Q. θ , EsR
Testing Frequency: 100Hz/120Hz/1KHz/10KHz /**100KHz** selectable
Parallel/Serial test mode
Sorting mode for QC
Static recording (**Max/Min**)
Data Hold
Self Calibration
External DC power operation
Zeroing Mode
Low Battery Indication
Auto Power Off
Optical USB interface
2 Wires Easy Testing
6 Wires Accuracy Testing
Full accessories included

