

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, $\theta$ , 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 $\mu$ H~20KH	20 $\mu$ H~20KH
	Resolution	0.001 $\mu$ H	0.001 $\mu$ 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 $\Omega$ ~200M $\Omega$	20 $\Omega$ ~200M $\Omega$
	Resolution	0.001 $\Omega$	0.001 $\Omega$
	Basic Accuracy	±(0.2%+2d)	±(0.2%+2d)
DC Resistance:	Ranges	200 $\Omega$ ~200M $\Omega$	200 $\Omega$ ~200M $\Omega$
	Resolution	0.01 $\Omega$	0.01 $\Omega$
	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
$\theta$ :	Ranges:	N/A	±90°
	Resolution		0.1°

GENERAL:		
Sampling Rate	1.25 times/sec	1.25 times/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)	50	50
Size: 95mm(W) x 200mm (L) x 51.20 mm(H), without holster	.	.
Weight: In grams (with holster)	605	605
Accessories: Alligator Clips, Shorting Bar, Magnetic Hanging Kit, Alkaline batteries (Installed) and manual	.	Also included 4 wires 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



Distributed by:

**APPA TECHNOLOGY CORPORATION**  
9F, 119-1 Pao-Zong Rd., Shintien, Taipei, 231, TAIWAN  
Tel: +886-2-29178820 Fax: +886-2-29170848  
E-mail: info@appatech.com · http://www.appatech.com  
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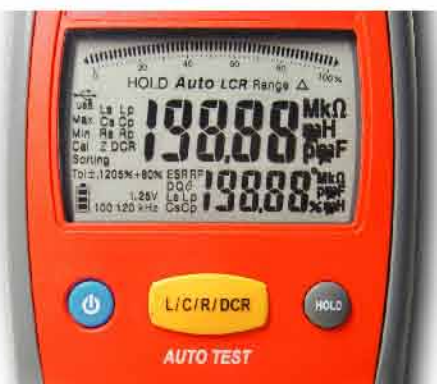
**APPA®**  
Advanced Instrument Technology Made Easy





## 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  $\theta$  (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, magnetic hanging Kit, shorting bar, 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  
5 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.  $\theta$ , 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  
5 Wires Accuracy Testing  
**Full accessories included**

