

## Digital Multimeters Offered by Siborg Systems Inc

Feature	LCR-Reader-MPA 	LCR-Reader-MP 	LCR-Reader 	Colibri 	ST-55/BT2 
Basic Accuracy	0.1%	0.1%	0.5%	0.5%	0.2%
Automatic L, C, R and ESR measurements	Yes	Yes	Yes	Yes	Yes
Manual L, C, R and ESR measurements	Yes	Yes	Yes	Yes	Yes
Designated ESR measurements	Yes	Yes	Yes	Yes	Yes
Variable Tolerances	1, 5, 10, 20%	1, 5, 10, 20%	N/A	N/A	1, 5, 10, 20%
Continuity and Diode testing	Yes	Yes	No	No	Yes
Parasitic Offset Subtraction	Yes	Yes	No	No	Yes
LED Testing	Yes	Yes	No	No	No
Voltage/Current testing	Yes	Yes	No	No	Yes
Frequency meter	Yes	Yes	No	No	No
Oscilloscope	Yes	Yes	No	No	No
Signal Generator	Yes	Yes	No	No	No
Optional Bluetooth	Yes	No	No	No	Yes
Battery & Charging Type	Li-Poly, Micro-USB	Li-Poly, Mini-USB	Li-Poly Micro-USB	Li-Ion, Micro-USB	Li-Ion, Micro-USB
Screen Type	LCD Grey/Black	LCD	OLED	OLED	OLED
Weight	1.35 oz.	1.5 oz.	1 oz.	1 oz.	1 oz.
NIST Traceable Calibration	Yes	Yes	Yes	Yes	Yes
Navigation	4-way joystick	Jog-wheel	One-button	One-button	4-way joystick
<b>Technical Specs</b>					
Frequency	100 Hz - 100 kHz	50 Hz - 100 kHz	100 Hz, 1 kHz, 10 kHz	100 Hz, 1 kHz, 10 kHz	100 Hz - 10 kHz
Test Signal Level	1.0 , 0.5 , 0.1 Vrms, 0.1 V	0.65, 0.1 +/- 5% Vrms	0.45 +/- 5% Vrms	0.45 +/- 5% Vrms	0.45, 0.9 +/- 5% Vrms
Source Impedance	100 Ω +/- 5%	1000 Ω	62.5 Ω/1k Ω/16k Ω +/- 1%	62.5 Ω/1k Ω/16k Ω +/- 1%	100 Ω
<b>Typical Accuracy</b>					
Resistance	0.1%	0.1%	0.5%	0.5%	0.2%
Capacitance	0.1%	0.2%	1.0%	1.0%	0.2%
Inductance	0.1%	0.2%	1.0%	1.0%	0.5%
<b>Measurement Range</b>					
Resistance	10 mOhm to 20 MOhm	5 mΩ to 20 MΩ	0.1 Ω to 10 MΩ	0.1 Ω to 10 MΩ	0.05 Ω to 10 MΩ
Capacitance	0.1 pF to 1F	1 pF to 680 mF	2 pF to 5 mF	0.5 pF to 5 mF	0.5 pF to 10 uF
Inductance	10 nH to 100 H	10 nH to 100 H	10 uH to 1 H	0.5 uH to 1 H	0.5 uH to 1 H