

Digital Multimeters Offered by Siborg Systems Inc

Feature	LCR-Reader-R1	LCR-Reader-R2	LCR-Reader-R3	LCR-Reader-MPA	ST-5S/BT2
Basic Accuracy	0.5%	0.1%	0.2%	0.1%	0.2%
Automatic L, C, R and ESR	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	N/A	1, 5, 10, 20%	1, 5, 10, 20%	1, 5, 10, 20%	1, 5, 10, 20%
Continuity and Diode testing	No	Yes	Yes	Yes	Yes
Parasitic Offset Subtraction	No	Yes	Yes	Yes	Yes
LED Testing	No	Yes	Yes	Yes	No
Voltage/Current testing	No	No	No	Yes	No
Frequency meter	No	No	No	Yes	No
Oscilloscope	No	No	No	Yes	No
Signal Generator	No	Yes	Yes	Yes	No
Coil Tester	No	No	No	Yes	No
Analog Signature Tool	No	Yes	Yes	No	No
Optional Bluetooth	No	Yes	Yes	Yes	Yes
Battery & Charging Type	Li-Poly Micro-USB	Li-Poly, Micro-USB	Li-Poly, Micro-USB	Li-Poly, Micro-USB	Li-Ion, Micro-USB
Screen Type	OLED	LCD Grey/Black	LCD Grey/Black	LCD Grey/Black	OLED
Weight	1 oz.	1.35 oz.	1.35 oz.	1.35 oz.	1 oz.
NIST Traceable Calibration	Yes	Yes	Yes	Yes	Yes
Navigation	One-button	4-way joystick	4-way joystick	4-way joystick	4-way joystick
<i>Technical Specs</i>					
Frequency	100 Hz, 1 kHz, 10 kHz	100 Hz - 250 kHz	100 Hz - 100 kHz	100 Hz - 100 kHz	100 Hz - 10 kHz
Test Signal Level	0.45 +/- 5% Vrms	1.0 , 0.5 , 0.1 Vrms,	1.0 , 0.5 , 0.1 Vrms, 0.1	1.0 , 0.5 , 0.1 Vrms, 0.1	0.45, 0.9 +/- 5% Vrms
Source Impedance	62.5 Ω/1k Ω/16k Ω +/- 1%	100 Ω/ 1.4 k +/- 5%	200 Ω +/- 5%	100 Ω +/- 5%	100 Ω
<i>Typical Accuracy</i>					
Resistance	0.5%	0.1%	0.2%	0.1%	0.2%
Capacitance	1.0%	0.1%	0.2%	0.1%	0.2%
Inductance	1.0%	0.1%	0.3%	0.1%	0.5%
<i>Measurement Range</i>					
Resistance	0.1 Ω to 10 MΩ	0.01 Ohm to 20	0.01 Ω to 20	0.01 Ohm to 20 MOhm	0.05 Ω to 10
Capacitance	2 pF to 5 mF	0.1 pF to	0.1 pF to 1F	0.1 pF to 1F	0.5 pF to 10
Inductance	10 uH to 1 H	10 nH to 100 H	10 nH to 100 H	10 nH to 100 H	0.5 uH to 1