

Feature	ST-5S	LCR-Reader	Colibri	LCR-Reader-MP
Basic Accuracy	0.20%	0.50%	0.50%	0.10%
Automatic L, C, R and ESR measurements	Yes	Yes	Yes	Yes
Manual L, C, R and ESR measurements	Yes	Yes	Yes	Yes
Designated ESR measurements	Yes	Yes	Yes	Yes
Variable Tolerances	1, 5, 10, 20%	N/A	1, 5, 10, 20%	1, 5, 10, 20%
Continuity and Diode testing	Yes	No	No	Yes
Parasitic Offset subtraction	Yes	No	No	Yes
LED Testing	No	No	No	Yes
Li-Ion battery with micro-USB	Yes	Yes	Yes	Yes
Screen Type	OLED	OLED	OLED	Back-lit LCD
Weight	1 oz.	1 oz.	1 oz.	1.5 oz.
NIST Traceable Calibration	Yes	Yes	Yes	Yes
Navigation	4-way joystick button	One-button	One-button	Jog-wheel
Technical Specs				
Frequency	0.1, 0.12, 1, 10kHz +/- 0.005%	0.1, 1, 10kHz +/- 0.5%	0.1, 0.12, 1, 10kHz +/- 0.005%	0.1, 0.12, 1, 10kHz +/- 0.005%
Test Signal Level	0.45, 0.9 +/- 5% Vrms	0.45 +/- 5% Vrms	0.45 +/- 5% Vrms	0.45, 0.9 +/- 5% Vrms
Source Impedance	62.5 Ω/1k Ω/16k Ω +/- 1%	62.5 Ω/1k Ω/16k Ω +/- 1%	62.5 Ω/1k Ω/16k Ω +/- 1%	62.5 Ω/1k Ω/16k Ω +/- 1%
Typical Accuracy				
Resistance	0.2%	0.5%	0.5%	0.05%
Capacitance	0.2%	1%	1%	0.2%
Inductance	0.2%	1%	1%	0.2%
Measurement Range				
Resistance	0.1 Ohms to 10 Mohms	0.1 Ohm to 10 Mohms	0.1 Ohm to 10 Mohms	0.1 Ohm to 20 MOhm
Capacitance	0.5 pF to 1 mF	2 pF to 5 mF	2 pF to 5 mF	0 to 680 000 μF
Inductance	0.5 uH to 1 H	0.5 uH to 1 H	0.5 uH to 1 H	0.5 uH to 100 H