

## 894 and 895 LCR Meter Comparison Guide



Model	B&K Precision			Keysight		Wayne Kerr Elect.	Instek
	891	894	895	E4980AL-052	E4980AL-102	WK43100	GW-8101G
List price	\$1,495	\$3,625	\$5,525	\$6,393	\$8,524	\$7,855	\$6,765
Frequency range	20 Hz - 300 kHz	20 Hz - 500 kHz	20 Hz - 1 MHz	20 Hz - 500 kHz	20 Hz - 1 MHz	20 Hz - 1 MHz	20 Hz - 1 MHz
Basic accuracy	0.10%	0.05%		0.05%		0.10%	0.10%
AC test signal range (voltage / current)	0.5 Vrms, 1 Vrms	5 mV - 2 Vrms 50/100/166.7 $\mu$ A - 20/40/66.7 mA		100 $\mu$ V - 2 Vrms 1 $\mu$ A - 20 mArms		10 mV - 2 Vrms	10 mV - 2 Vrms
AC source impedance	100 $\Omega$ , fixed	30 / 50 / 100 $\Omega$ , selectable		100 $\Omega$ , fixed		100 $\Omega$ , fixed	100 $\Omega$ , fixed
Test signal monitoring	--	✓		✓		--	✓
Auto Level control (ALC)	--	✓		✓		--	--
Built-in DC bias source	--	-5 V to +5 V / -50 mA to +50 mA		1.5 V / 2 V		2 V	--
DCR	✓	✓		✓		✓ (option)	✓
Cable length compensation	--	1 m / 2 m		1 m / 2 m / 4m		--	--
Correction	Open/Short	Open/Short/Load		Open/Short/Load		Open/Short	Open/Short
List sweep (number of test points, test parameters)	300 points: Frequency	201 points: Frequency, AC and DC bias voltage / current		201 points: Frequency, AC and DC bias voltage / current		8 points: Frequency	30 points: Frequency and AC voltage
Handler interface	--	✓		--		✓ (option)	--
Remote interfaces	USB (Virtual COM), GPIB, & LAN	USB (USBTMC or virtual COM), RS232, LAN, GPIB (895 only)		USBTMC, LAN, GPIB		RS232, GPIB	RS232, GPIB
Included accessories	4-wire Kelvin clip test lead	4-wire Kelvin clip test lead, 4-terminal test fixture, shorting bar		--		4-wire Kelvin clip test lead	4-wire Kelvin clip test lead

Comparison data retrieved from keysight.com, gwinstek.com, waynekerr.com on January 19, 2017