



Be Certain

### LCR Meter Comparison Chart

Feature	TEGAM 3525		TEGAM 3550		HIOKI 3532-50		AGILENT (HP) 4263B		AGILENT E4980A	
Basic Accuracy	0.08%		0.10%		Z  : ±0.08% θ : ±0.05%		0.10%		0.05%	
Test Frequency	120 Hz, 1 kHz		42.0 Hz to 5.00 MHz		42.0 Hz to 5.00 MHz		120 Hz, 1 kHz, 10 kHz, 100 kHz (optional 20kHz)		20 Hz to 2 MHz	
DC Bias Voltage	500 VDC (In Development) See TEGAM 25X series LCR Meters		500 VDC (In Development) See TEGAM 25X series LCR Meters		40 VDC (Option)		1.5 V & 2.0 V External 0~3.0 VDC		1.5 V & 2.0 V 40 VDC (Option)	
Measurement Parameters	Z , R	10.0 mΩ ~ 199.99 MΩ	Z , R	0.01 mΩ ~ 199.99 MΩ	Z , R	10 mΩ ~ 200 MΩ	Z , R	1.0 mΩ ~ 100 MΩ	Z , R	1.0 aΩ ~ 999 EΩ
	θ	-180.00° - +180.00°	θ	-180.00° - +180.00°	θ	-180.00° - +180.00°	θ	-180.00° - +180.00°	θ	-180.00° - +180.00°
	C	0.94 pF ~ 199.99 mF	C	0.16 pF ~ 37.0 mF	C	0.32 pF ~ 370.0 mF	C	1 pF ~ 1000 mF	C	100 aF ~ 1000 mF
	L	1.6 μH ~ 199.99 kH	L	320.0 nH ~ 750.0 kH	L	16 nH ~ 750 kH	L	10 nH ~ 100 kH	L	100 pH ~ 1 MH
	D	0.0001 ~ 1.9999	D	0.0001 ~ 9.9999	D	0.00001 ~ 9.99999	D	0.0001 ~ 9.99999	D	0.000001 ~ 9.999999
	Q	0.500 ~ 199.99	Q	0.1 ~ 1999.9	Q	0.01 ~ 999.99	Q	0.1 ~ 9999.9	Q	0.01 ~ 99999.99
Additional Parameters	-		B, G, Y, X, F		B, G, Y, X		B, G, Y, X, Δ		B, G, Y, X, Δ	
Source Impedance	100 Ω		50 Ω		50 Ω		25 Ω & 100 Ω		100 Ω	
Print feature	No		No		Yes		No		No	
Touch Panel Operation	No		No		Yes		No		No	
Zoom feature	No		No		Yes		No		No	
Stored Setups	99		9		30		10		10	
Programmable Voltage Range	50 mV, 500 mV, & 1 V Fixed		10 mV ~ 5 V Variable 10 mV steps		10 mV ~ 5 V Variable 1 mV steps		20 mV ~ 1 V Variable 5 mV steps		0 ~ 2 V Variable 1 mV steps	
Programmable Current Range	NONE		10 μA ~ 99.99 mA		10 μA ~ 99.99 mA		NONE		0 ~ 20 mA	
Current & Voltage Monitor	YES		YES Also Frequency Monitor		NO		YES		YES	
Communications Interfaces	Standard: RS232, Control I/O Optional: GPIB, BCD (Handler)		Standard: RS232, Control I/O Optional: GPIB		-		Standard: GPIB. Handler No RS 232		Standard: LAN, USB, GPIB No RS 232	
Connectors	BNC Kelvin Type		BNC Kelvin Type		BNC Kelvin Type		BNC Kelvin Type		BNC Kelvin Type	
Measurement Speed	66 readings per second		55 readings per second		200 readings per second		40 readings per second		178 readings per second	
Comparator	YES		YES		YES		YES		YES	
Resolution	4 1/2 Digits		4 1/2 digits		3, 4, or 5 digits		5 digits		4 digits	
Warranty	3 years		1 year		1 year		1 year		1 year	
US Price List	\$1,895		\$5,500				\$4,146		\$16,302	