

Comparison Guide



5½ & 6½ Digit Multimeters 5490C Series

Company	B&K Precision			Keysight		Keithley	Fluke	
Model	5492C	5493C	5492B	34450A	34461A	2100	8808A	8845A
List price	\$780	\$960	\$729	\$901	\$1,175	\$1,050	\$898	\$1,177
Digits	5.5	6.5	5.5	5.5	6.5	6.5	5.5	6.5
Basic accuracy (% of reading) (1 year: T_{CAL} ±5 °C)								
DC voltage	0.010%	0.0035%	0.010%	0.015%	0.0035%	0.0038%	0.015%	0.0035%
DC resistance	0.030%	0.010%	0.030%	0.050%	0.010%	0.013%	0.020%	0.010%
DC current	0.050%		0.050%	0.050%	0.050%	0.055%	0.020%	0.050%
Measurement speed and special measurement functions								
Max. measurement speed	1000 readings / s		57 readings / s	190 readings / s	1000 readings / s	2000 readings / s	100 readings / s	1000 readings / s
Capacitance	✓		-		✓	-	-	-
Temperature	✓		-		✓	✓	-	-
Math functions								
REL, Min, Max, Ave, Std Dev, dB, dBm	✓		✓		✓	✓		✓
%	✓		✓	-	✓	✓	-	-
mx+B	✓		✓		✓	✓	-	✓
DC voltage ratio	✓		-		✓	✓	-	✓
Built-in display modes								
Histogram	✓		-		✓	-	-	✓
Bar graph	✓		-	-	✓	-	-	-
Trend chart	✓		-	-	✓	-	-	✓
General								
Interfaces	USBTCM, LAN, RS232, (GPIB model option +\$190), USB host port		USB, RS232	USB 2.0, (GPIB option + \$300)	USBTCM, LAN / LXI Core (GPIB +\$300), USB host port	USBTCM	RS232	LAN, RS232, GPIB
Storage (measurements)	10,000		10 instruments settings	5,000 (50,000 opt.)	10,000	2,000	-	10,000
Rear input terminals	-	✓	-	-	✓	✓	-	-
Warranty	3 Year		3 Year	3 Year		1 Year	1 Year	3 Year