

Function								
SIGLENT SDM3065X	6½	6½	7½	6½	6½	6½	6½	6½
KEYSIGHT 34465A	35 PPM	30 PPM	16 PPM	35 PPM	30 PPM	35 PPM	35 PPM	30 PPM
Masurement Types	DC Voltage、AC Voltage、DC Current、AC Current、2-wire Resistance、4-wire Resistanc、Capacitance、Diode、Continuity、Frequency、Period、							
DCV	200 mV - 1000 V	100 mV - 1000 V	200 mV - 1000 V	100 mV - 1000 V	100 mV - 1000 V			
DCI	200 uA - 10 A	1 uA - 10 A	1 uA - 10 A	100 uA - 10 A	10 mA - 3 A	200 uA - 10 A	100 uA - 10 A	1 uA - 10 A
ACV	200 mV - 750 V	100 mV - 750 V	200 mV - 750 V	200 mV - 750 V	100 mV - 750 V			
ACI	200 uA - 10 A	100 uA - 10 A	100 uA - 10 A	100 uA - 10 A	1 A - 3 A	200 uA - 10 A	1 mA - 10 A	100 uA - 10 A
Ohm	200 Ω - 100 MΩ	100 Ω - 1000 MΩ	100 Ω - 1000 MΩ	100 Ω - 100 MΩ	200 Ω - 100 MΩ	200 Ω - 100 MΩ	200 Ω - 100 MΩ	100 Ω - 1000 MΩ
Capacitance	2 nF - 100 mF	1 nF - 100 uF	1 nF - 100 uF	1 nF - 100 uF	N/A	2 nF - 100 mF	N/A	1nF-10mF
Diode	0 - 4 V	0 - 5 V	0 - 5 V	0 - 5 V	0 - 10 V	0 - 2 V	0 - 1 V	0 - 10 V
Continuity	2 KΩ	1 KΩ	1 KΩ	1 KΩ	1 KΩ	2 KΩ	1 KΩ	1 KΩ
Frequency/ period	3 Hz - 1 MHz	3 Hz - 300 KHz	3 Hz - 300 KHz	3 Hz - 300 KHz	3 Hz - 500 KHz	3 Hz - 1 MHz	3 Hz - 300 KHz	3 Hz - 300 KHz
Temperature	RTD/PT100、Thermistor、Thermocouple	RTD/PT100、Thermistor、Thermocouple	RTD/PT100、Thermistor、Thermocouple	RTD/PT100、Thermistor	J, K, T type Thermocouple	RTD, Thermocouple	RTD、Thermocouple	Thermistor, PT100, D100, F100, PT385, PT3916,
DCV	0.0035 + 0.0006	0.0030 + 0.0004	0.0016 + 0.0002	0.0035 + 0.0005	0.0030 + 0.0005	0.0035 + 0.0006	0.0035 + 0.0005	0.0030 + 0.0004
DCI	0.050 + 0.002	0.050 + 0.001	0.050 + 0.001	0.100 + 0.010	0.050 + 0.008	0.050 + 0.003	0.050 + 0.005	0.050 + 0.005
ACV	0.06+ 0.03	0.05 + 0.02	0.05 + 0.02	0.06 + 0.03	0.06 + 0.03	0.06+ 0.03	0.06+ 0.03	0.06+ 0.04
ACI	0.10 + 0.04	0.10 + 0.04	0.10 + 0.04	0.10 + 0.04	0.10 + 0.04	0.10 + 0.04	0.10 + 0.04	0.10 + 0.04
Ohm	0.010 + 0.001	0.0040 + 0.0005	0.0040 + 0.0005	0.010 + 0.001	0.010 + 0.001	0.010 + 0.001	0.010 + 0.001	0.010 + 0.001
Capacitance	1 + 0.1	0.40 + 0.10	0.40 + 0.10	0.40 + 0.10	N/A	1 + 0.3	N/A	0.40 + 0.10
Diode	0.010 + 0.020	0.010 + 0.020	0.010 + 0.010	0.010 + 0.030	0.0040 + 0.0007	0.010 + 0.020	0.010 + 0.020	0.008 + 0.010
Continuity	0.010 + 0.020	0.010 + 0.020	0.010 + 0.020	0.010 + 0.030	0.120 + 0.100	0.010 + 0.020	0.010 + 0.030	0.008 + 0.020
Frequency/ period	0,007	0,006	0,006	0,01	0,01	0,007	0,01	0,004
Mathematical Measurement	Max, Min, Average, Standard Deviation, dBm/dB, Relative Measurement, Histogram, Bar Chart, Trend Chart, Limit	Clear function, Max, Min, Average, Standard Deviation, dBm/dB, Bar Chart, Histogram, Trend Chart, Limit, Sweep, Count	Clear function, Max, Min, Average, Standard Deviation, dBm/dB, Bar Chart, Histogram, Trend Chart, Limit, Sweep, Count	Clear function, Max, Min, Average, Standard Deviation, dBm/dB, Bar Chart, Histogram, Trend Chart, Limit, Sweep, Count	Max, Min, Average, Standard Deviation, Relative Measurement, Histogram, Trend Chart, dB/dBm, Limit	Max, Min, Average, Standard Deviation, Relative Measurement, Histogram, Trend Chart, dB/dBm, Limit	Max, Min, Average, Standard Deviation, Relative Measurement, Histogram, Trend Chart, dB/dBm, Limit, MX+B, 1/X	Max/Min, Limits, Ratio, Average, MX+B, Percent, dB & dBm, and Null. In addition, the passive trigger and memory function, Histogram,
Volatile memory	10 K measurement data	N/A	512 K historical data	N/A	7.5 Mega-Reading Storage Memory			
Non-Volatile Storage	1 Gb NAND flash	80 Mb flash	80 Mb flash	80 Mb flash	N/A	10 sets of historical data, 5 groups of sensor data, 10	Record and store 2-9999 times of data	2.5M with time/7.5M without time information
Dual Display	Support	Support	Support	Not Support	N/A	Support	Support	Support
Scanner card (option)	Support	Support	Support	Support	Support	N/A	Support	Support
Interfaces	USB Device, USB Host, LAN, GPIB (option)	GPIB,RS-232C	USB Device, USB Host, LAN, RS-232C, GPIB (option)	RS-232C, USB, Digital I/O, LAN (option), GPIB	Standard USB & LAN Control Interfaces Optional GPIB/			
Display	4.3 inch, 480*272	4.3 inch, 480*272	4.3 inch, 480*272	4.3 inch, 480*272	VFD color display	256 × 64 dot matrix LCD display	VFD color display	4.3 inch, TFT
Price	\$799	\$1.910	\$4.308	\$1.455	\$1.140	\$882	\$950	\$950