

Measuring Range Comparison

Model	GPS-8055C	DM3058	Agilent 34450A	Keithley 2110	GDM8255A
Manufacturer	GPS	RIGOL	Agilent	Keithley	GW
DCV	200mV ~ 1000V	200mV ~ 1000V	100mV ~ 1000V	0.1V ~ 1000V	100mV ~ 1000V
DCI	200uA ~ 10A	200uA ~ 10A	100uA ~ 10A		10mA ~ 10A
OHM(R)	200 ~ 100M	200 ~ 100M	100 ~ 100M	100 ~ 100M	100 ~ 100M
ACV	200mV ~ 750V	200mV ~ 750V	100mV ~ 750V	0.1V ~ 750V	100mV ~ 750V
ACI	20mA ~ 10A	20mA ~ 10A	10mA ~ 10A		1A ~ 10A
CAP	2nF ~ 10000uF	2nF ~ 10000uF	1nF ~ 10uF	1nF ~ 100uF	-
FREQ/PERI	1MHz	1MHz	1.19999MHz	300kHz	800kHz

Accuracy Comparison

Model	GPS-8055	DM3058	Agilent 34450A	Keithley 2110	GDM8255A
Manufacturer	GPS	RIGOL	Agilent	Keithley	GW
DCV	0.015+ 0.003	0.015+ 0.003	0.018+0.008	0.012+0.004	0.012+5
DCI	0.055+ 0.005	0.055+ 0.005	0.05+0.015	0.05+0.010	0.05+15
OHM(R)	0.020+ 0.003	0.020+ 0.003	0.050+0.008	0.020+0.003	0.05+8
ACV	0.2 + 0.05	0.2 + 0.05	0.2+0.1	0.12+0.05	0.2+100
ACI	0.50 + 0.10	0.50 + 0.10	0.50+0.10	0.5+0.12	0.5+100
CAP	1+0.5	1+0.5	1+0.5	1+0.5	–
FREQ/PERI	0.01+0.003	0.01+0.003	0.005+2	0.03	–

Interface Comparison

Model	GPS-8055C	DM3058	Agilent 34450A	Keithley 2110	GDM8255A
Manufacturer	GPS-UK	RIGOL	Agilent	Keithley	GW
LAN	√	√	×	×	×
USB DEVICE	√	√	√	√	√
USB HOST	√	√	√	×	√
GPIB	√	√	Option	Option	×