

Model No.	M8037	M8035	M7029	M7027
A.C. Conversion Type	True RMS	Average responding	Average responding	Average responding
Backlit LCD	Yes	N/A	N/A	N/A
Crest/Peak	0,8 ms response, Max, Min Max-Min	0,8 ms response, Max, Min Max-Min	N/A	N/A
Sort	Auto-ranging, Max, Min,	Auto-ranging, Max, Min,	N/A	N/A
Input Warning	Audible & Visible	N/A	N/A	N/A
Total Functions	55 Ranges		40 Ranges	40 Ranges
DCV	40 mV to 1 kV in 6 ranges		400 mV to 1 kV in 5 ranges	400 mV to 1 kV in 5 ranges
Best Resolution	1 µV		10 µV	10 µV
Basic Accuracy	± 0,08% ± 1 digit (0,5% ±6d on 40,00 mV)		±0,2% ± 1 digit (±2 digits 1 kV)	±0,3% ± 1 digit (±2 digits 1kV)
NMRR @ 50/60 Hz	> 60 dB		> 60 dB	> 60 dB
CMRR @ DC	> 120 dB @ d.c. & 50/60 Hz		> 120 dB @ d.c. & 50/60 Hz	> 120 dB @ d.c. & 50/60 Hz
ACV	400 mV to 750 V in 5 ranges		400 mV to 750 V in 5 ranges	400 mV to 750 V in 5 ranges
Best Resolution	10 µV		10 µV	10 µV
Basic Accuracy	±0,5% ±3 digits 50-60 Hz		±0,7% ±3 digits 50-60 Hz	±1% ±3 digits 50-60 Hz
Basic Bandwidth	40 Hz - 20 kHz		40 Hz - 1 kHz, 1,5 dB @ 30 k	40 Hz - 1 kHz
CMRR @ DC, 50/60 Hz	> 60 dB		> 60 dB	> 60 dB
DCA/ACA	400 µA to 10 Ain 6 ranges		4000 µA to 10 Ain 3 ranges	4000 µA to 10 Ain 3 ranges
Best Resolution	0,01 µA		0,1 µA	0,1 µA
Basic Accuracy d.c.	from ±0,2% ±2 digits to 1% ± 4 digits		±1% ±3 dig. @ 60 Hz ±0,4% ±2 dig. @ d.c.	±1,3% ±3 digits @ 60 Hz ±1% dig.@
Resistance	40 to 40 M Win 7 ranges		400 to 40 M Win 6 ranges	400 to 40 M Win 6 ranges
Best Resolution	0,001 W		0,01 W	0,01 W
Basic Accuracy	<400 kW±0,15% ±2 digits; 40 MW 1,5% ±5 digits		<400 kW±0,3% ±2 dig., 40 MW2% ±5 dig.	<400 kW±0,4% ±2 dig. 40 MW±3% ±5 dig.
Conductance	400 nS in 1 range		400 nS in 1 range	400 nS in 1 range
Best Resolution	0,1 nS		0,1 nS	0,1 nS
Basic Accuracy	±0,7% ±5 digits		±0,7% ±5 digits	±1% ±5 digits
Capacitance	4 nF to 40 mF in 8 ranges		4 nF to 40 mF in 8 ranges	
Best Resolution	1 pF		1 pF	
Basic Accuracy	40 nF - 4 µF: 0,8% ±5 digits; <40 nF, >4 µF ±4%		40 nF - 4 µF: 0,8% ±5 dig. <40 nF, >4 µF ±4%	
Frequency	100 Hz to 4 MHz in 6 ranges		100 Hz to 250 kHz in 5 ranges	
Best Resolution	0,001 Hz		0,001 Hz	
Basic Accuracy	±0,002% ±3 digits		±0,05% ±4 digits	
Duty Cycle	100% in 1 range	N/A	N/A	N/A
Best Resolution	0,1%			
Basic Accuracy	±0,5 digits/kHz ±2 digits			
(AC + DC) V	4 V to 750 V in 4 ranges	N/A	N/A	N/A
Best Resolution	0,1 mV			
Basic Accuracy	±0,8% ±8 digits (40 Hz - 20 kHz)			
dBm	-60,7 dBm to 81,4 dBm Auto with 20 reference W	N/A	N/A	N/A
Best Resolution	0,01 dBm			
Basic Accuracy	±0,25 dBm ±2 digits @ 40 Hz to 20 kHz			

ORDERING INFORMATION			
Item (Qty)	Order No.	Item (Qty)	Order No.
Analogue/Digital Multimeter dual display, 0,08% accuracy	M8035	Optional Accessories	
Analogue/Digital Multimeter dual display, true rms (a.c. & d.c.)	M8037	FPK8 Fused Test Leads	6111-218
Analogue/Digital Multimeter dual display, 0,3% accuracy	M7027	Replacement Lead Set	8101-045
Analogue/Digital Multimeter dual display, 0,2% accuracy	M7029	Lead Set c/w Crocodile Clip	6220-562
Included Accessories			
Battery			
9 V alkaline battery			
Test lead pair with probes			
Protective holster			
User Guide			