


Multimeter Selection Guide

MULTIMETER SELECTION GUIDE	310 Series		340 Series		360	480 Series		490 Series		600	610 Series	
	61-310	61-312	61-340	61-342	61-361	61-484	61-486	61-497	61-498	61-605	61-610	61-614
MEASUREMENT FUNCTIONS												
AC & DC Voltage	•	•	•	•	•	•	•	•	•	•	•	•
AC Current	•	•	•	•	•	•	•	•	•			
DC Current	•	•	•	•	•	•	•	•	•		•	•
Resistance	•	•	•	•	•	•	•	•	•	•	•	•
LV Resistance						•	•	•	•			
Audible Continuity	•	•	•	•	•	•	•	•	•	•		•
Diode Test	•	•	•	•	•	•	•	•	•	•		
Capacitance		•	•	•	•	•	•	•	•			
Frequency		•	•	•	•	•	•	•	•			
Temperature	•	•	•	•			•	•	•			
Duty Factor			•	•				•	•			
Battery Test	•										•	•
Decibels								•	•			
Phase Rotation					•							
FEATURES												
Display Type (Digital or Analog)	D	D	D	D	D	D	D	D	D	D	A	A
True RMS				•	•	•	•	•	•			
Auto/Manual Ranging		•	•	•		•	•	•	•	•		
Non-Contact Voltage Detection						•	•					
Data Hold / Auto Hold	D	D	D	D		D	D	A	A	D		
Min/Max			•	•		•	•	•	•			
Min/Max/Avg			•	•		•	•	•	•			
Peak Min/Max						•	•	•	•			
Relative Mode								•	•			
High Speed Analog Bar Graph							•	•	•	•	•	•
Auto Power Off			•	•	•	•	•	•	•	•		
Backlight			•	•		•	•	•	•	•		
Low Battery Indication			•	•	•	•	•	•	•	•		
Dual Display								•	•	•		
Overload Protection on all Ranges	•	•	•	•	•	•	•	•	•	•		
Data Logging								•	•			
Data Acquisition								•	•			
Memory Storage & Recall								•	•			
Optical USB Interface								•	•			
ProVision™ II Software								•	•			
Warranty (years)	2	2	2	2	2	2	2	2	2	2	2	2
CERTIFICATIONS												
UL 61010 Listed 	•	•	•	•	•	•	•	•	•	•	•	•
CAT Rating	II	II	III	III	III	IV	IV	IV	IV	II	II	II
CE	•	•	•	•	•	•	•	•	•	•	•	•



310 Series Residential Meters

- Voltage
- Current
- Resistance
- Audible continuity
- Temperature
- Data hold
- Diode test
- Large numbers displayed
- 2-year warranty



Description	Cat. No.
Resi-Pro™ Meter w/Auto Ranging, AC/DC Current, Capacitance, Frequency, Auto Power Off, Low Battery Indication	61-312
Resi-Pro™ Meter w/Manual Ranging, Tests Batteries	61-310

Includes: Test Leads and Thermocouple.

Specifications

	61-310		61-312	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy
AC Voltage	200.0/300 V	1.2%	4.000/40.00/400.0/300 V	1.2%
DC Voltage	200.0m/2.000/20.00/200.0/300 V	0.5%	400.0m/4.000/40.00/400.0/300 V	0.5%
Current	200.0m/10.00 ADC	1.5%	400.0μ/4000μ/40.00m/400.0m/10.00A AC/DC	1.5%
Resistance	200.0/2.000k/20.00k/200.0k/20.00M Ω	1.0%	400.0/4.000k/40.00k/400.0k/4.000M/40.00M Ω	1.0%
Capacitance	—	—	40.00n/400.0n/4.000μ/40.00μ/400.0μ F	3.0%
Frequency	—	—	10.00/100.0/1.000k/10.00k/100.0k/1.000M/10.00M Hz	0.3%
Temperature	-4-1382°F (-20-750°C)	2.5%	-4-1382°F (-20-750°C)	2.5%

Pocket Meter

- Convenient pocket size
- Built-in lead storage and test stand
- Audible continuity
- Auto power off
- Test lead storage
- 2-year warranty



Description	Cat. No.
Pocket Meter	61-605

Includes: Test Leads.

Specifications

	Range & Resolution		Accuracy
	61-610	61-614	
AC Voltage	200.0m/2.000/20.00/200.0/600 V	10/50/250/500 V	4.0%
DC Voltage	200.0m/2.000/20.00/200.0/600 V	2.5/10/50/250/1000 V	2.0%
Resistance	200.0/2.000k/20.00k/200.0k/2.000M/20.00M Ω	5m/50m/500m/20A	3.0%



Analog Meters

- Multi-color analog display with mirrored scale
- High-impact thermoplastic case
- Battery test
- 2-year warranty



Description	Cat. No.
Analog Multimeter w/Audible Continuity, built-in stand	61-614
Analog Multimeter (pocket-size)	61-610

Includes: Test Leads.

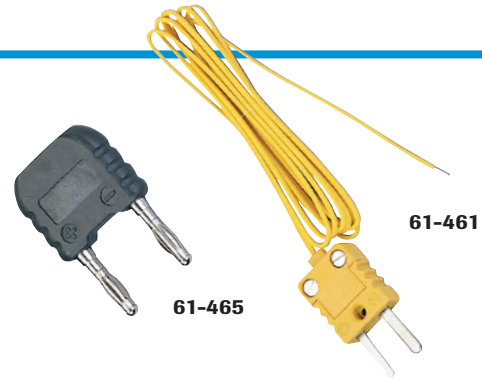
Specifications

	Range & Resolution		Accuracy
	61-610	61-614	
AC Voltage	10/50/250/500 V	10/50/250/1000 V	+/- 4.0% Full Scale
DC Voltage	10/50/250/500 V	2.5/10/50/250/1000 V	+/- 3.0% Full Scale
DC Current	500μ/50m/250mA	5m/50m/500m/20A	+/- 3.0% Full Scale
Resistance	1 M Ω Full Scale 5 k Ω Mid Scale	10k/100k/10M Ω Full Scale 50/500/50k Ω Mid Scale	+/- 3.0% Arc Length
Decibels	-20 to +56 dB	-8 to +62 dB	—
Battery Test	1.5, 9.0 VDC	1.5, 9.0 VDC	—



Thermocouple

- Measures up to 1500° F (816° C)
- K-type thermocouple plugs into digital multimeter voltage jacks with 61-465 adapter



Description	Cat. No.
Beaded K-type Thermocouple	61-461
Thermocouple Adapter	61-465

Carrying Cases




Description	Cat. No.
Leather Carrying Case - for use with 61-065, 61-076, 61-085, 61-086	61-010
Small Nylon Carrying Case w/four pockets	61-445
Nylon Carrying Case - for use with all Vol-Con® and Vol-Test® Voltage Testers	C-90
Nylon Carrying Case - for use with Digital Multimeters	C-290

Carrying Case Selection Guide

	VOLTAGE TESTERS																																
	61-059	61-065	61-076	61-085	61-086	61-090	61-092	61-096	61-164	61-165	61-310	61-312	61-340	61-342	61-361	61-484	61-486	61-497	61-498	61-610	61-614	61-702	61-704	61-744	61-746	61-763	61-765	61-773	61-775	61-830			
61-179 Nylon Carrying Case									•	•																						•	
C-50 Nylon Carrying Case	•																																
C-90 Nylon Carrying Case		•	•	•	•	•	•	•																•	•								
C-230 Nylon Carrying Case																		•	•														
C-290 Nylon Carrying Case											•	•	•	•	•	•	•	•	•	•	•												
C-700 Nylon Carrying Case																							•	•									
C-760 Nylon Carrying Case																										•	•						
C-770 Nylon Carrying Case																													•	•			

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MEASUREMENT FUNCTIONS												
AC & DC Voltage	•	•	•	•	•	•	•	•	•	•	•	•
AC Current	•	•	•	•	•	•	•	•	•			
DC Current	•	•	•	•	•	•	•	•	•		•	•
Resistance	•	•	•	•	•	•	•	•	•	•	•	•
LV Resistance						•	•	•	•			
Audible Continuity	•	•	•	•	•	•	•	•	•	•		•
Diode Test	•	•	•	•	•	•	•	•	•	•		
Capacitance		•	•	•	•	•	•	•	•			
Frequency		•	•	•	•	•	•	•	•			
Temperature	•	•	•	•			•	•	•			
Duty Factor			•	•				•	•			
Battery Test	•										•	•
Decibels								•	•			
Phase Rotation					•							
FEATURES												
Display Type (Digital or Analog)	D	D	D	D	D	D	D	D	D	D	A	A
True RMS				•	•	•	•	•	•			
Auto/Manual Ranging		•	•	•		•	•	•	•	•		
Non-Contact Voltage Detection						•	•					
Data Hold / Auto Hold	D	D	D	D		D	D	A	A	D		
Min/Max			•	•		•	•	•	•			
Min/Max/Avg			•	•		•	•	•	•			
Peak Min/Max						•	•	•	•			
Relative Mode								•	•			
High Speed Analog Bar Graph							•	•	•	•	•	•
Auto Power Off			•	•	•	•	•	•	•	•		
Backlight			•	•		•	•	•	•	•		
Low Battery Indication			•	•	•	•	•	•	•	•		
Dual Display								•	•	•		
Overload Protection on all Ranges	•	•	•	•	•	•	•	•	•	•		
Data Logging								•	•			
Data Acquisition								•	•			
Memory Storage & Recall								•	•			
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Current	200.0m/10.00 ADC	1.5%	400.0μ/4000μ/40.00m/400.0m/10.00A AC/DC	1.5%
Resistance	200.0/2.000k/20.00k/200.0k/20.00M Ω	1.0%	400.0/4.000k/40.00k/400.0k/4.000M/40.00M Ω	1.0%
Capacitance	—	—	40.00n/400.0n/4.000μ/40.00μ/400.0μ F	3.0%
Frequency	—	—	10.00/100.0/1.000k/10.00k/100.0k/1.000M/10.00M Hz	0.3%
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Resistance	200.0/2.000k/20.00k/200.0k/2.000M/20.00M Ω	5m/50m/500m/20A	3.0%



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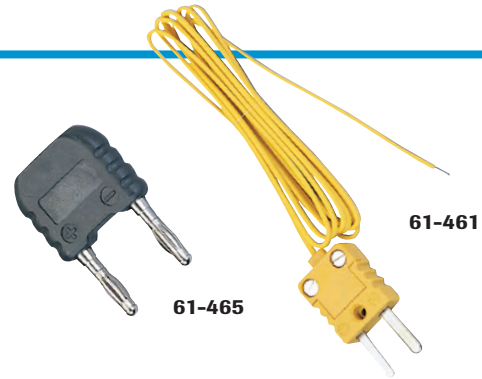
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