



### Digital Clamp-on Multimeters

Conveniently test amperage of electrical devices without use of test leads

Hand guard designed with deluxe carrying case, 9V battery and test lead set included.

Item No.	Description
6LM27	39AR Digital Clamp-on Multimeter
6LM28	39MR True RMS ACV/ACA Digital Clamp-on Multimeter



### DC Current Transducer

Uninterrupted circuit connections as measurements are taken

Compatible with any hand held or bench top multimeter. AC/DC 600A non-intrusive current transducer with up to 34 mm diameter conductor. Carrying case and Zinc battery included.

Item No.	Description
6JG57	32 DC Current Transducer



### Clamp-on Digital Meter

One hand operation

Hand guard designed with autoranging, 2000 count digital resolution, and AC 600 amps/600 volt capability. Carrying case, test lead set, and Zinc 9V battery included.

Item No.	Description
6JG59	33II True RMS Multimeter



### Economical Digital Multimeter

Ergo-designed switch and soft touch keyboard

Includes carrying case, 2 Zinc AAA 1.5V batteries and test lead set.

Item No.	Description
6JG60	63N Economical Digital Multimeter



### Shock-Proof/Water Resistant Digital Multimeter

Thick wall design and shock mounting protects from 5 ft. falls

Includes carrying case, Zinc 9V battery, and test lead set.

Item No.	Description
6JG63	91 Digital Multimeter



### True RMS Digital Power Multimeter

Advanced instrument technology made simple

Includes carrying case, 9V battery, and test lead set.

Item No.	Description
6JG55	105R True RMS Digital Power Multimeter

### Power Multimeters

All the features you need to measure voltage, current and resistance

Includes carrying case, 2 Zinc AAA 1.5V batteries, and test lead set.

Item No.	Description
6JG65	97R True RMS Power Multimeter



## Clamp-On Meter Feature Comparison

Westward Model Item No.	32 6JG57	33RII 6JG59	39AR 6LM27	39MR 6LM28
Current Accuracy	AC/DC 600A	AC 600A	AC 1000A	AC/DC 1000A
Basic DCV Accuracy			0.7% +/-5dig	0.7% +/-2dig
Basic ACV Accuracy		1.2% +/-3dig	1.2% +/-5dig	1.2% +/-5dig
Basic DCA Accuracy	2.0% +/-2A			1.0% +/-3dig
Basic ACA Accuracy	2.0% +/-2A	1.9% +/-5dig	1.9% +/-5dig	1.5% +/-5dig
Basic OHM Accuracy		1.5% +/-2dig	2.0% +/-9dig	1.0% +/-2dig
Basic Frequency Accuracy				0.5% +/-3dig
Display Digits		2000	4000	4000
Auto Ranging			•	•
Coil Transformer Jaw		•	•	
Dual Hall Sensor Jaw			•	•
Overload Protection	•	•	•	•
Hand Guard Protection	•	•	•	•
Insulated Input Jacks		•	•	•
Max. Conductor Size/Diameter	34 mm	34 mm	51 mm	51 mm
True RMS Reading		•	•	•
Data Hold		•	•	
Peak Hold				•
Frequency Counter				•
DCA Zero Adjust Knob	•			
One Touch DCA Zeroing				•
Nickel-Steel Alloy Jaw Mechanism				•
Fast Continuity Beeper		•	•	•
Auto Power Off/Sleep Mode			•	•
Battery Life/Hours	45	400	200	40
Drop Proof/Feet	5	4	4	4
Coiled Cable Output Plugs	•			
Carrying Case Included	•	•	•	•
Lifetime Warranty	•	•	•	•
IEC 1010-1, CAT.II"	•		•	•
IEC 1010-1, CAT.III"	•		•	•
CE	•	•	•	•

Replacement fuses and clips available. Call your local Grainger branch.

## Multimeter Feature Comparison

Westward Model Item No.	63N 6JG60	91 6JG63	97R 6JG65	105R 6JG55
Basic DCV Accuracy	0.5% +/-2dig	0.5% +/-2dig	0.3% +/-2dig	0.1% +/-2dig
Basic ACV Accuracy	1.5% +/-5dig	1.3% +/-5dig	1.3% +/-3dig	0.5% +/-5dig
Basic DCA Accuracy		1.0% +/-2dig	1.0% +/-2dig	1.0% +/-2dig
Basic ACA Accuracy		1.5% +/-3dig	1.5% +/-3dig	1.0% +/-5dig
Basic OHM Accuracy	0.8% +/-2dig	0.75% +/-2dig	0.5% +/-2dig	0.4% +/-2dig
Basic Frequency Accuracy				0.1% +/-4dig
Basic Capacitance Accuracy				1.0% +/-4dig
Display Digits	3200	2000	3200	4000
Analog Bargraph	•		•	•
Auto Ranging	•	•	•	•
Overload Protection	•	•	•	•
Input Impedance (10M-)	•	•	•	•
Fast Continuity Beeper	•	•	•	•
Diode Test	•	•	•	•
True RMS Reading			•	•
Min/Max				•
Store/Recall				•
Relative Mode				•
Display Hold	•		•	•
Delay Hold			•	
Frequency Counter				•
Capacitance				•
Beep Guard/Input Alert		•	•	•
Auto Power Off/Sleep Mode	•	•	•	•
Battery Life/Hours	800	700	400	500
Splash & Dust Proof		•	•	•
Drop Proof/feet	4	5	5	6
Protective Holster	•	•	•	•
Test Lead Storage	•	•	•	•
Lifetime Warranty	•	•	•	•
IEC 1010-1, CAT.II"		•	•	•
IEC 1010-1, CAT.III"	•	•	•	•
CE	•	•	•	•



### Multi-Function Voltage Detector

Handy tool to test wires for continuity and voltage

Audible and visible indicator with non-contact AC tester.

- Hi/Low sensitivity check
- Continuity check
- Range 70~600VAC
- Battery included

Item No.	Description
6JG67	Voltage Detector



### Multi-Function Metal Detector

Compact and easy to use

- Non-contact ACV test
- Continuity and polarity check
- Requires 9V battery (not included)

Item No.	Description
6JG68	Metal Detector



### Multi-Function "True Live" Voltage Tester

Helps the contractor, electrician or general maintenance worker test voltage readings quickly

Identify "True Live" wire in cord.

- Continuity with DCV verification
- Contact/non-contact ACV test
- Contact AC Voltage: 70~250V
- Non-contact AC Voltage: 70~120VAC (for wires with single sheathed insulation)
- 2 batteries included

Item No.	Description
6JG69	Voltage Tester

### Infrared Thermometer with 6:1 Optics

Ergonomic design trigger control

Accurately indicates surface temperature while parts are in motion.

- Temperature Range: -67 to 482°F (-55 to 250°C)
- Focus spot size 1" @ 3"
- 2% repeatability
- Uses 2 CR2032 3 volt batteries, one for the laser, and one for the thermometer
- Wrist strap included



Item No.	Description
1EZ22	Infrared Thermometer

### Infrared Thermometer

Large LCD and 500 ms response time

-27° to 428° F (-33° to 220° C)

- 8-14 spectral response ( $\mu\text{M}$ )
- 0.95 Fixed emissivity
- 1" @ 1" Focus spot size and distance
- 2% Repeatability
- Includes battery, wrist strap and instructions



Item No.	Description
1VEP7	Infrared Thermometer



### Infrared Thermometer

Large LCD and 500 ms response time

-27° to 230° F (-33° to 110°C)

- 5-14 spectral response ( $\mu\text{M}$ )
- 0.95 Fixed emissivity
- 1" @ 1" Focus spot size and distance
- 2% Repeatability
- Includes battery, wrist strap and instructions

Item No.	Description
1VER1	Infrared Thermometer

## Infrared Thermometer

Large LCD and  
500 ms response time

- 67° to 482° F (-55° to 250° C)
- 5-14 spectral response (µM)
- 0.01 to 1.00 Adjustable emissivity
- 1" @ 2.5" Focus spot size and distance
- 2% Repeatability
- Includes battery and instructions



Item No.	Description
1VEP5	Infrared Thermometer

## Infrared Thermometer

Laser sighting and alarm

- 76° to 932° F (-60° to 500° C)
- Large LCD and 500 ms response time
- 8-14 spectral response (µM)
- 0.01 to 1.00 Adjustable emissivity
- 1" @ 8" Focus spot size and distance
- 2% Repeatability
- Includes battery and instructions



Item No.	Description
1VEP8	Infrared Thermometer

## Infrared Thermometer

Laser sighting

- 25° to 999° F (-32° to 535° C)
- Large LCD and 500 ms response time
- 5-14 spectral response (µM)
- 0.95 Fixed emissivity
- 1" @ 12" Focus spot size and distance
- ±2°F (1°C) Repeatability
- Includes battery, pouch and instructions



Item No.	Description
1VER2	Infrared Thermometer

## Infrared Thermometers

Laser sighting, alarm  
and data logging

- Large LCD and 500 ms response time
- 8-14 spectral response (µM)
- 0.01 to 1.00 Adjustable emissivity
- ±2°F (1°C) Repeatability
- Includes battery, carrying case, wrist strap and instructions



1VER3

### 1VER3 Includes:

- 58° to 1832° F (-50° to 1000° C)
- 1" @ 30" Focus spot size and distance

### 1VER4 Includes:

- 58° to 1832° F (-50° to 1000° C)
- 1" @ 50" Focus spot size and distance
- Data logging and alarm

Item No.	Description
1VER3	Infrared Thermometer
1VER4	Infrared Thermometer



1VEP6

## Infrared Thermometer

1 Dot laser sighting

- 58° to 932° F (-50° to 500° C)
- Large LCD and 500 ms response time
- 5-14 spectral response (µM)
- 0.95 Fixed emissivity
- 1" @ 9" Focus spot size and distance
- 2% Repeatability
- Includes battery and instructions

Item No.	Description
2ZB46	Infrared Thermometer

## Infrared Thermometers

Laser sighting

- Large LCD and 500 ms response time
- 8-14 spectral response (µM)
- 2% Repeatability
- Includes battery and instructions

### 1VEP6 includes:

- 76° to 932° F (-60° to 500° C)
- 0.95 Fixed emissivity
- 1" @ 12" Focus spot size and distance

### 1VEP9 includes:

- 76° to 1400° F (-60° to 760° C)
- 0.01 to 1.00 Adjustable emissivity
- 1" @ 20" Focus spot size and distance

Item No.	Description
1VEP6	Infrared Thermometer
1VEP9	Infrared Thermometer



## Nylon Carrying Pouch

Nylon pouch for infrared thermometers

- Velcro® closure and belt loop
- Lined and padded
- For use with Nos. 2ZB46, 1VEP6 and 1VEP9

Item No.	Description
1VEP3	Nylon Carrying Pouch



## Digital Stop Watch

Accurate readings on the go

- Hour, Minute, Second, Month, Date, Day of Week, Daily Alarm and Hourly Chime, 12/24 Hourly Format
- Pacer:
  - Input data: pacer signals (can be set from 65-180 beats/min)
  - Output data: Elapsed Time (up to 9 hr. 59 min 59.99 sec)
- Memories:
  - 10 Lap memories can be recalled. Each measurable up to 59 min 59.99 sec.
- Stopwatch:
  - Measuring Unit: 1/100th of a sec.
  - Working Range: Up to 9 hr 59 min 59.99 sec
- Count-down Timer:
  - Input Range: 1 min--9 hr 59 min
  - Measuring Unit: Resolution of 1 second.
  - Working Range: 9 hr 59 min 59 sec.
- Lithium battery CR2016 included

Item No.	Description
6JG70	Digital Stop Watch

## Dial Tachometer

Reads directly in RPM

2-1/2" scale, 100 RPM increments. Large numerals every 500 RPM (clockwise or counter-clockwise). Cup-shaped tip for flat-end shaft; cone-shaped tip for shaft with center holes.

- Accuracy (typical): ±3%



Item No.	Description	RPM Range
3BY11	Dial Tachometer	50-4000