

# ELECTRONIC MEASURING TOOLS

## NON-CONTACT INFRARED THERMOMETERS

- Allows accurate measurement of temperature without contact
- Gives instant readouts in real time
- Ideal for use in inaccessible areas and where moving parts or high heat make contact measurement dangerous
- Thousands of uses including automotive applications, food and beverage industries, chemical industries, cement plants, road building, HVAC, pool maintenance, etc.

PROD. NO. MOD. NO.	310016 JIRT-450	310018 JIRT-750
<b>Display</b>	3-1/2 digit (1999 count) LCD with backlighting	3-1/2 digit (1999 count) LCD with backlighting
<b>Measuring range</b>	-20°C to 450°C / -4°F to 842°F	-50°C to 750°C / -58°F to 1382°F
<b>Resolution</b>	1°C / °F	0.1°C / °F up to 200°C / °F 1°C / °F over 200°C / °F
<b>Accuracy</b>	+/- 2°C or 2% of reading	+/- 2°C or 1.5% of reading
<b>Operating temperature</b>	0°C to 50°C / 32°F to 122°F	0°C to 50°C / 32°F to 122°F
<b>Response time</b>	1 sec app.	1 sec app.
<b>Field of view (distance : spot size)</b>	8:1	12:1
<b>Spectral response</b>	6 – 14µm	8 – 14µm
<b>Emissivity</b>	0.95 fixed	0.95 fixed
<b>Relative humidity (operating)</b>	Max. 80%	10% – 90%
<b>Over range indication</b>	LCD will show "OVER" and meter will beep	LCD will show "1"
<b>Power OFF</b>	Automatic shut-off after 7 sec.	Automatic shut-off after 7 sec.
<b>Power supply</b>	9V battery	9V battery
<b>Weight</b>	180 gram	290 gram
<b>Size</b>	159 x 79 x 57.2 mm	100 x 56 x 230 mm



310018



310016

## AUTOMOTIVE MULTIMETER

- Full-range - performs complete tune-up and troubleshooting tests on all vehicles
- Includes tests such as tach and dwell, test fuel injectors, sensors, alternators, spark plug wires, ignition and charging systems, battery condition and cranking voltage
- Easy-to-read digital LCD • Data hold function • Computer safe
- Features:
  - 10M Input Impedance
  - Auto reverse polarity
  - Auto zero adjust
  - Over range Indication
  - Overload protection
  - Low battery indicator
  - Fuse protection
  - 9-Volt power
  - Auto power off
  - 9V Battery

PROD. NO.	Accessories
H3630	Colour-coded Test leads, Inductive spark pickup clamp, Temperature Probe, Detailed manual, Holster

FUNCTIONS	MEASURING RANGE
DC Volts	200m-2-20-200-1000V
AC Volts	200-750V
DC Amps	20m-200m-10A
OHMS	200-2k-20k-200k
Freq.	20kHz
DWELL	3-4-5-6-8CYL
TACH	3-4-5-6-8CYL (X10rpm)
TEMP	-40°C/-40°F 1400°C/2552°F
DIODE CHECK	3V/1mA
CONTINUITY	Audible Beep
Transistor hFE	Vce≈3v, Ib≈10µA



H3630

## ELECTRONIC MEASURING TOOLS

### DIGITAL MULTIMETERS

- Versatile meters for a wide range of electrical tests
- Can be used with clamp on adaptor for expanded versatility
- Features auto shut-off, large LCD display, low battery indicator, overload protection
- TPR shroud protects meter
- Includes test leads, K type thermo-coupler and 9V battery

### DIGITAL MULTIMETER

- Designed to safety standard IEC-1010; CAT II 600V

**PROD. NO. MOD. NO. Application**

PROD. NO.	MOD. NO.	Application
310006	JDMM-200	AC/DC current, AC/DC voltage, resistance, capacitance, frequency, temperature, diode check, transistor Hfe

### AUTO RANGING DIGITAL MULTIMETER

- Automatically sets correct range when test function is selected
- Mechanically prevents incorrect connection of test leads
- Data hold function
- Designed to safety standard EN61010-1; CAT II 600V

**PROD. NO. MOD. NO. Application**

PROD. NO.	MOD. NO.	Application
310008	JDMM-300	AC/DC current, AC/DC voltage, resistance, capacitance, frequency, temperature, diode check, duty cycle, continuity check

PROD. NO. MOD. NO.	310006 JDMM-200	310008 JDMM-300
AC Current	20u-20m-200m-20A	400u-4000u-40m-400m-4A-20A
DC Current	20m-200m-20A	400u-4000u-40m-400m-4A-20A
AC Voltage	20-200-750V	400mV-4V-40V-400V-750V
DC Voltage	200m-2-20-200-1000V	400mV-4V-40V-400V-1000V
Resistance	200-2k-20k-200k-2M-20M-200 Mohms	200-4k-40k-400k-4Mohms-40 Mohms
Capacitance	2n-20n-200n-2u-20uF	40nF-400nF-4uF-40uF-100uF
Frequency	2k-20kHz	9.999Hz - 9.999MHz
Temperature	-40°C - 1000°C	-20°C - 760°C
Diode Check	2.8V/1mA	test current of 0.3mA, open circuit voltage of 1.5V
hFE	Vce ~3V; 1b ~ 10Ua	
Continuity Check		threshold 300hms, continuity beeper 2.7 kHz
Duty Cycle		0.1% - 99.9%



310006



310008

# ELECTRONIC MEASURING TOOLS

## DIGITAL CLAMP METERS

- Features large LCD display, low battery indicator, data hold function

### DIGITAL CLAMP METER

- Compact size fits perfectly in your hand and into restricted spaces
- Wide measurement range from very small to large current
- 1mA high resolution
- Auto shut off saves battery
- Designed to safety standard IEC 61010-2-032; CAT III 600V
- Includes zipper case, test leads and 2 AAA batteries

PROD. NO.	MOD. NO.	Application
310021	JDCM-1	AC/DC current, AC/DC voltage, resistance, frequency, diode check, duty cycle, continuity check

### DIGITAL CLAMP METER

- Designed to safety standard IEC - 1010; CAT II 600V
- Includes zipper case, test leads and 9 volt battery

PROD. NO.	MOD. NO.	Application
310022	JDCM-2	AC/DC current, AC/DC voltage, resistance, frequency

PROD. NO. MOD. NO.	310021 JDCM-1	310022 JDCM-2
AC Current	4A - 200A	200A - 1000A
DC Current	4A - 200A	200A - 1000A
AC Voltage	400mV - 600V	750V
DC Voltage	400mV - 600V	1000V
Resistance	400 Ohms - 40 MOhms	200 kOhms
Frequency	5Hz - 10MHz	2kHz
Diode Check	Test current of 0.3mA, open circuit voltage of 1.5V	
Duty Cycle	5% - 99.9%	
Continuity Check	Threshold 50 Ohms, continuity beeper 1.7 kHz	

### OPEN JAW CLAMP METER

- Open jaw design permits fast accurate readings of AC current
- Dual LCD displays allow simultaneous reading of AC amps and other information
- Separate data hold buttons for each display
- Auto-ranging feature sets correct range when test function selected
- Relative 0 button for comparative tests
- Positive test lead can be mounted to unit for easier use
- Auto power-off saves battery life
- Designed to safety standard CATIII 600V

PROD. NO. MOD. NO.	310023 JDCM-3
AC Current	200A
AC Voltage	600V
DC Voltage	600V
Resistance	40 MOhms
Capacitance	200 $\mu$ F
Frequency	9,999 MHz
Duty Cycle	0.1% - 99.9%
Diode Test	0.3mA
Continuity	Threshold 30 Ohms, continuity beeper 2.7 kHz



310021



310022



310023



310091

**NEW**

## ELECTRONIC MEASURING TOOLS

### CLAMP ON ADAPTOR

- Compatible with multimeters, oscilloscopes, or other voltage measuring devices
- Provides expanded versatility
- Designed to safety standard EN61010-1; CAT II 600V
- Auto shut off
- Low battery indicator
- Includes zipper case, test leads and 9 V battery
- Not for use with Model H3630 multimeter

PROD. NO.	MOD. NO.	AC/DC Current
310091	JCMA-1	40A, output 10mV/A 400A, output 1mV/A



310031

**NEW**

### VOLTAGE / CONTINUITY TESTER

- LED lights indicate voltage without need for display screen
- Includes LED flashlight for illuminating work area
- Voltage detection function operates even without a battery
- Low impedance selector buttons for accurate low-voltage reading
- IP64 moisture protection
- Soft ergonomic grip
- Designed to safety standard CATIII 1000V / CAT IV 600V

PROD. NO.	310031
MOD. NO.	JVCT-690
<b>AC/DC Voltage</b>	12, 24, 36, 50, 120, 230, 400, 690V
<b>Polarity Detection</b>	Yes
<b>Single Pole Phase Test</b>	Yes
<b>Continuity Test</b>	Yes
<b>Rotary Field Indication</b>	Yes



310041

**NEW**

### VOLTAGE DETECTOR

- Non-contact detection of AC voltage from 100V to 600V
- Suitable for testing outlets or against cable insulation
- Flashing red LED and audible beep indicate voltage
- Built in LED flashlight and pocket clip
- Designed to safety standard CATIII 1000V

PROD. NO.	MOD. NO.
310041	JVD-600