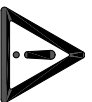


Safeguards and Precautions



1. Read and follow all instructions in this manual carefully, and retain this manual for future reference.
2. Do not use this instrument in any manner inconsistent with these operating instructions or under any conditions that exceed the environmental specifications stated.
3. Ensure that the instrument and test leads are in good condition with no visible signs of damage before use.
4. Ensure the test leads are installed in the proper connectors for the measurement to be made.
5. Ensure the Function Selector switch is in the proper position for the measurement to be made.
6. Do not, under any circumstances, exceed the maximum ratings of this instrument.
7. Do not exceed the rated voltage between any input jack and ground.
8. Do not measure resistance or continuity in a circuit or test diodes while power is applied to that circuit.
9. Discharge all capacitors in a circuit before measuring capacitance.
10. Do not connect the test leads to a voltage source when the test leads are connected to the $\mu\text{A}/\text{mA}$ or 10A input jacks.
11. Exercise extreme caution when working with voltages above 60Vdc or 30Vac. Such voltages pose a shock hazard.
12. Keep fingers behind the finger guards on the test leads when making measurements.
13. To avoid false readings, replace the battery immediately when the low battery indication appears.
14. With the exception of replacing the battery or fuses, this instrument is not user serviceable. For technical assistance, contact the sales organization from which you purchased the product or Monarch Instrument directly.

LIMITED WARRANTY

SELLER warrants hardware products to be free from any defect in materials or workmanship for a period of one (1) Year from date of shipment to BUYER. SELLER's entire liability and BUYER's sole and exclusive remedy resulting from any defect in workmanship or material in the hardware product covered by this limited warranty shall be limited to and fully discharged by the SELLER's option of replacement or repair of such item without charge. The limited warranty provided in this clause is in lieu of all other warranties, expressed or implied, arising by law or otherwise. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. This limited warranty shall not be modified except by an arrangement signed by both parties specifically referencing this clause.

SELLER warrants that any software supplied will operate in accordance with the documentation or manual supplied therewith in all material respects when used in strict compliance with such documentation or manual. Notwithstanding the foregoing, BUYER acknowledges that, since software is complex and therefore may have defects, BUYER's sole and exclusive remedy for any such defects or breach of this warranty shall be to require SELLER, within a reasonable period of time, to provide all reasonable programming services to correct programming errors in the software. Except as provided above SELLER MAKES AND BUYER RECEIVES FROM SELLER NO EXPRESS OR IMPLIED WARRANTIES OF ANY KIND WITH RESPECT TO ALL OR ANY PORTION OF SOFTWARE AND BUYER HEREBY AGREES AND ACKNOWLEDGES THAT IT ACCEPTS THE SOFTWARE IN 'AS IS' CONDITION. SELLER HEREBY EXPRESSLY EXCLUDES ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SOFTWARE. BUYER agrees that any specific right or remedy granted to BUYER hereunder with respect to any breach or default by SELLER shall be in lieu of all other rights and remedies otherwise available to BUYER at law or in equity as the result of such breach or default, regardless of whether based on contract, tort, strict liability, or other theory of liability.

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This limited warranty does not extend or apply to consumables (including, but not limited to, lamps and batteries, if applicable) or equipment, instruments or accessories which are warranted separately by the original manufacturer of these items.

DECLARATION OF CONFORMITY

Monarch Instrument
Division of Monarch International Inc.
15 Columbia Drive, Amherst NH 03031 USA
declares that the product:

Name: True RMS Multimeter
Model: Monarch 122

to which this declaration relates is in conformity with the following standards:

EMC: EN55022/1998, CISPR 22, Class B
EN50082-1/1997 / EN61000-4 Series

and therefore conforms in accordance with 89/336/EEC-EMC Directive. The testing of this product was performed by GesTek EMC Lab. in July of 2000. (Ref. NO. 0007018E).

19th July 2000
Importer (Amherst, NH)


Alan Woolfson, VP Engineering (Authorized Signature)

Table of Contents

Section	Page
1.0 Introduction	1
2.0 Specifications	1
3.0 Symbol Definitions and Feature Locations	3
4.0 Control Functions	4
4.1 Function Selector Rotary Switch.....	4
4.2 Range Button.....	4
4.3 MAX/MIN Button.....	4
4.4 Data Hold Function.....	4
4.5 Peak Hold Function.....	4
4.6 Relative Operation.....	5
4.7 Voltage or Current to Frequency Function.....	5
4.8 Backlight Button.....	5
4.9 Second Function Button.....	5
4.10 Auto Power Off.....	5
4.11 20A Measuring Connector.....	5
4.12 μ A/mA Measuring Connector.....	5
4.13 COM Measuring Connector.....	5
4.14 V, Hz, \leftarrow , RPM, \rightarrow , Ω , TEMP Measuring Connector.....	5
4.15 Digital Output.....	5
5.0 Operating Instructions	6
5.1 AC Voltage Measurements.....	6
5.2 DC Voltage Measurements.....	6
5.3 AC/DC Current Measurements.....	6
5.4 Resistance Measurements.....	7
5.5 Continuity Measurements.....	7
5.6 Diode Tests.....	7
5.7 Frequency and RPM Measurements.....	8
5.8 Temperature Measurements.....	8
5.9 Capacitance Measurements.....	8
6.0 Battery and Fuse Replacement	9
6.1 Opening the Instrument Case.....	9
6.2 Battery Replacement.....	9
6.3 Fuse Replacement.....	9
6.4 Closing the Instrument Case.....	9
7.0 Setup TestLink (Multimeter) – RS232 Interface Software	9
8.0 Running TestLink	10
8.1 Open TestLink.....	10
8.2 Real Time Tabular and Real Time Graph.....	10
8.3 Datalogger.....	10

1.0 Introduction:

This instrument is a true RMS autoranging digital multimeter capable of measuring AC voltage and current, DC voltage and current, resistance, continuity, frequency, RPM, temperature and capacitance. It is also equipped with a diode testing feature. It provides a full 32,000 record datalogging capability. The instrument complies with IEC 1010-1 1000V CAT III.

2.0 Specifications:

AC Voltage (Autoranging):

Range	Resolution	Accuracy	Input Impedance	Overload Protection
400mV	0.1mV	45Hz~500Hz	500Hz~1KHz	100M Ω
4V	1mV	0.5%+5	1%+5	10M Ω
40V	10mV	0.5%+5	1%+5	10M Ω
400V	100mV	0.5%+5	1%+5	10M Ω
750V	1V	0.8%+5	1.2%+5	10M Ω

AC Current (uA and mA - Autoranging):

Range	Resolution	Accuracy		Burden Voltage	Overload Protection
		45Hz~500Hz	500Hz~1KHz		
400uA	0.1uA	1.3%+5	1.6%+5	<0.25Vrms	0.5A / 600V Fast Blow Fuse
4000uA	1uA	1.3%+5	1.6%+5	<1Vrms	0.5A / 600V Fast Blow Fuse
40mA	10uA	1.3%+5	1.6%+5	<0.25Vrms	0.5A / 600V Fast Blow Fuse
400mA	100uA	1.3%+5	1.6%+5	<1.5Vrms	0.5A / 600V Fast Blow Fuse
20A	10mA	1.5%+5	1.8%+5	<1Vrms	15A / 600V Fast Blow Fuse

DC Voltage (Autoranging):

Range	Resolution	Accuracy	Input Impedance	Overload Protection
400mV	0.1mV	0.3%+2	100 MΩ	1200V peak
4V	1mV	0.3%+2	10M Ω	1200V peak
40V	10mV	0.3%+2	10M Ω	1200V peak
400V	100mV	0.3%+2	10M Ω	1200V peak
1000V	1V	0.5%+2	10M Ω	1200V peak

DC Current (uA and mA - Autoranging):

Range	Resolution	Accuracy	Burden Voltage	Overload Protection
400uA	0.1uA	0.8%+2	<0.25V	0.5A / 600V Fast Blow Fuse
4000uA	1uA	0.8%+2	<1V	0.5A / 600V Fast Blow Fuse
40mA	10uA	0.8%+2	<0.25V	0.5A / 600V Fast Blow Fuse
400mA	100uA	0.8%+2	<1.5V	0.5A / 600V Fast Blow Fuse
20A	10mA	1%+2	<1V	15A / 600V Fast Blow Fuse

Resistance (Autoranging):

Range	Resolution	Accuracy	Test Voltage	Overload Protection
400 Ω	0.1 Ω	0.6%+2	<1.5VDC	600Vrms
4K Ω	1 Ω	0.6%+2	<1.5VDC	600Vrms
40K Ω	10 Ω	0.6%+2	<1.5VDC	600Vrms
400K Ω	100 Ω	0.6%+2	<1.5VDC	600Vrms
4M Ω	1K Ω	0.6%+2	<1.5VDC	600Vrms
40M Ω	10K Ω	1%+3	<1.5VDC	600Vrms

Continuity Beeper:

Range	Active Range	Test Voltage	Overload protection
•••	Under 40 Ω	<1.5V	600Vrms

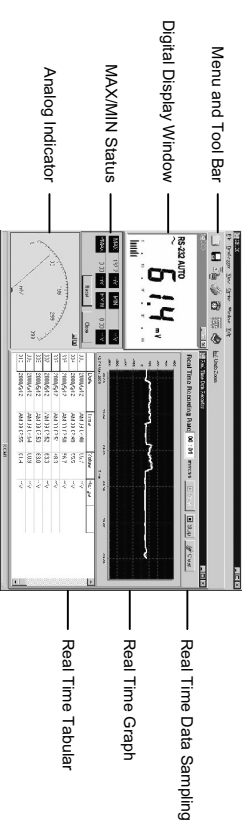
Install TestLink:

1. Close all other applications before installing TestLink software.
2. Insert setup diskette 1 in floppy disk drive.
3. Choose the Start button on the Taskbar and select Run.
4. Type a:\setup and choose OK to copy SE120.exe (executable file) and Help file to your hard disk (default is c:\program files\TestLink\SE120).

8.0 Running TestLink:

8.1 Open TestLink

Select TestLink from Start menu of Windows. Your display should appear as below.



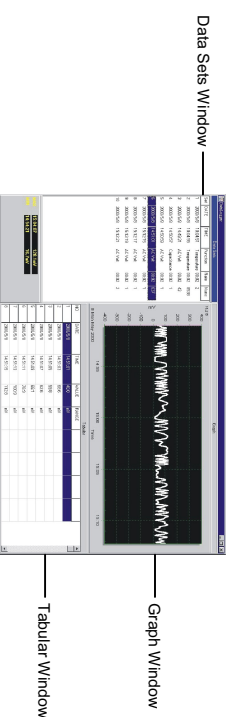
8.2 Real Time Tabular and Real Time Graph

Select Run from the menu or press  from the tool bar to begin real time data collection from the multimeter.

To change the data interval, edit the sampling rate from the box on the right hand side of tool bar (see figure above).

8.3 Datalogger

Select Datalogger from the menu to load recorded data from the multimeter. A progress bar will show how many bytes should be loaded and how many bytes have been received. When data is loaded successfully, three new windows appear as below.



Data Sets Window – Displays how many data sets were loaded and the detail information for each data set (start date, start time, recording rate and data length). Click on any data set to choose the set for graph and tabular window.

For other operating instructions, please refer to the online help while executing TestLink.

6.0 Battery and Fuse Replacement:

WARNING

To prevent electrical hazard or shock, turn multimeter off and disconnect test leads before removing back cover.

6.1 Opening the Instrument Case

When the low battery indicator shows in the display or when a fuse blows due to an overload condition, the case must be opened to replace the battery or fuse(s).

Set the Function Selector switch to the **OFF** position. Turn the unit over and remove the five screws from the back as shown in Figure 1.

Turn the unit face up and carefully separate the case halves as shown in Figure 2.

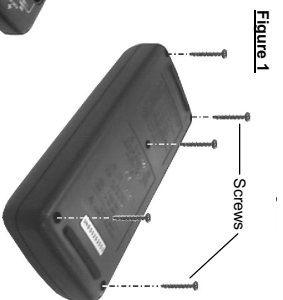


Figure 1

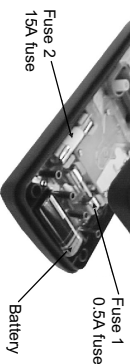


Figure 2

6.2 Battery Replacement

This instrument uses a single 9V, NEDA 1604 or IEC6F22 or JIS006P battery. When installing a new battery, be careful to route the battery leads through the slot in the battery enclosure. Failure to do so could result in damage to the leads upon replacement of the top half of the instrument case.

6.3 Fuse Replacement

WARNING

To avoid damage to the meter or potential electrical hazard or shock, replace fuses with exact replacements. Do not use higher rated fuses in either location.

Remove and replace the defective fuse with an exact replacement. Fuse ratings are as follows:

- Fuse 1: F0.5A/600V 10 ϕ \times 38mm Fast Blow
- Fuse 2: F15A/600V 10 ϕ \times 38mm Fast Blow

6.4 Closing the Instrument Case

Ensure the Function Selector switch has not been rotated from the position when it was removed. Check to be certain that the battery leads are safely routed through the slot provided for this purpose. Replace the top half of the instrument case, turn the instrument over, and replace the five screws in the back.

Note: Do not over tighten screws. Excessive tightening could strip the threads in the plastic case.

7.0 Setup TestLink (Multimeter) – RS232 Interface Software:

The TestLink package contains:

- Two 3.5" diskettes
- Custom designed RS232 cable for TestLink

System Requirements:

- Windows 95, Windows 98 or Windows NT 4.0

Minimum Hardware Required:

- 486-100 MHz PC, 16 MB RAM
- At least 5 MB hard disk space available to install TestLink program
- Recommended display resolution is 800x600.

Diode Tester:

Range	Resolution	Accuracy	Test Current	Test Voltage	Overload protection
\rightarrow	1mV	1%+2	<1mA	<3.5V	600V/ms

Frequency (Autoranging):

Range	Resolution	Accuracy	Sensitivity	Overload Protection
4 KHz	1Hz	0.05%+1	<1Vrms	600V/ms
40KHz	10Hz	0.05%+1	<1Vrms	600V/ms
400KHz	100Hz	0.05%+1	<1Vrms	600V/ms
4MHz	1KHz	0.05%+1	<3Vrms	600V/ms
40MHz	10KHz	0.05%+1	<10Vrms	600V/ms

RPM (Autoranging):

Range	Resolution	Accuracy	Sensitivity	Overload Protection
40K RPM	0.01K RPM	0.05%+1	<1Vrms	600V/ms
400K RPM	0.1K RPM	0.05%+1	<1Vrms	600V/ms
4M RPM	1K RPM	0.05%+1	<1Vrms	600V/ms
40M RPM	10K RPM	0.05%+1	<3Vrms	600V/ms
400M RPM	100K RPM	0.05%+1	<10Vrms	600V/ms

Temperature (°C/°F)

Range	Resolution	Accuracy	Overload protection
°C	1°	-50 to 0°C: 1%+4 0 to 1000°C: 1%+3	600V/ms
°F	1°	-58 to 32°F: 1%+8 32 to 1832°F: 1%+6	600V/ms

Capacitance (Autoranging)

Range	Resolution	Resolution	Accuracy	Overload protection
4nF	1pF	1pF	1.9%+20	600V/ms
40nF	10pF	10pF	1.5%+10	600V/ms
400nF	100pF	100pF	1.5%+10	600V/ms
4uF	1nF	1nF	1.5%+10	600V/ms
40uF	10nF	10nF	1.9%+10	600V/ms
400uF	100nF	100nF	1.9%+10	600V/ms
4mF	1uF	1uF	1.9%+10	600V/ms
40mF	10uF	10uF	3%+10	600V/ms

Accuracy specification:

\pm [(...% of reading) + [... number of least significant digits)] at 18°C to 28°C (64°F to 82°F) or less than 80% RH
True RMS accuracy for ACV and ACA are specified from 5% to 100% of range. Add 1% of reading for crest factor between 1.4 and 3 at full scale, or less than 6 at half scale

Electromagnetic compatibility:

Vac and Aac only: RF field = 3V/m

Total accuracy: Specified accuracy + 2% of range

Digital display: 4000 counts

Sampling rate: Twice per second

Analog display: 41 segments

Sampling rate: 20 times per second

Overrange indication: Displays 'OL' when value exceeds range selected

Data logging capability: 32,000 records

Digital Output: Bi-directional RS232. Cable and software included.

Power requirement: 9 Volt battery, NEDA 1604 or JIS 006P or IEC 6F22

Battery life: 100 hours typical. Low battery indication.

Safety: 1000V CAT III, Regulation EN61010: Part 1: 1993

Dimensions: Meter only: 198x86x38mm (7.8x3.4x1.5 in)

With holster: 209x94x48mm (8.2x3.7x1.9 in)

Meter only: Approx. 430g (15.2 oz)

With holster: Approx. 600g (21.3 oz)

Weight:

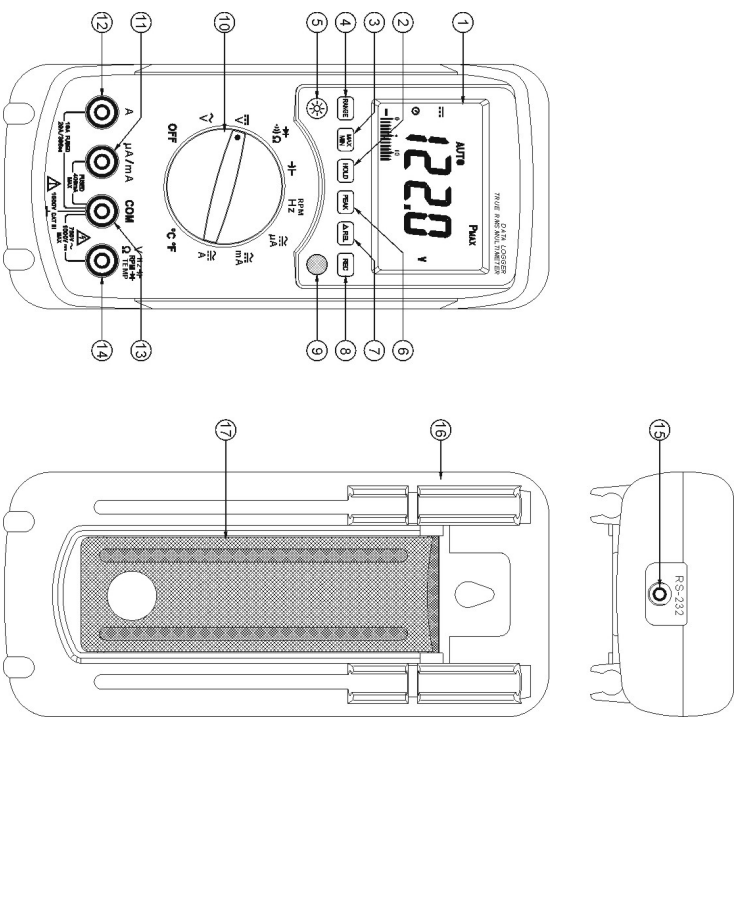
Operating conditions:

- Operating Temperature and Humidity: 0°C - 40°C (32°F - 104°F)
Below 80% RH Non-condensing
- Storage Temperature and Humidity: -10°C - 60°C (14°F - 140°F)
Below 70% RH Non-condensing
- Installation category III
- Pollution Degree 2
- Indoor use only
- Altitude up to 2000 meters (6500 feet)

Accessories:

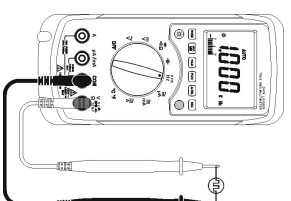
- Test Leads, Battery, Hoister, Temperature Converter, Type K Wire Temperature Probe, RS232 Cable, Software, Instruction Manual

3.0 Symbol Definitions and Button Locations:



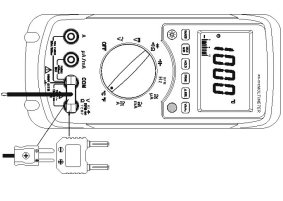
- | | |
|---------------------------|---|
| 1) LCD Display | 10) Function Select Dial |
| 2) Hold Button | 11) $\mu A/mA$ Terminal |
| 3) MAX/MIN Button | 12) 'Amp' Terminal |
| 4) Range Button | 13) 'COM' Terminal |
| 5) Backlight Button | 14) Volts, Ohms, Frequency, RPM, Capacitance, |
| 6) Peak Hold Button | 15) Temperature, Diode Test Terminal |
| 7) Relative Button | 16) Hoister |
| 8) Record Button | 17) Tilt Stand |
| 9) Second Function Button | |

5.7 Frequency and RPM Measurements



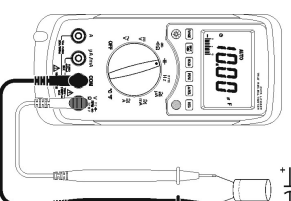
1. Connect the red test lead to the 'Hz' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the **Hz RPM** function. For RPM measurements, press the blue button to select the **RPM** function.
3. Connect the test leads in parallel with the circuit being measured.
4. Read the Frequency or RPM on the instrument display.

5.8 Temperature Measurements



1. Plug the temperature converter module into the 'TEMP' and 'COM' jacks, taking care to observe the proper polarities. Plug a Type K thermocouple into the converter, again ensuring proper polarity.
2. Set the Function Selector switch to the **°C °F** function.
3. Press the blue button, if necessary, to select 'C' or 'F'.
4. Locate the thermocouple probe in the environment to be measured and allow sufficient time for the probe temperature to stabilize.
5. Read the Temperature on the instrument display.

5.9 Capacitance Measurements



WARNING
To avoid damage to the meter, disconnect circuit power and discharge all capacitors before measuring capacitance. Use the DC voltage function to confirm that all capacitors are fully discharged.

1. Connect the red test lead to the '⎓' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the **⎓** function.
3. Connect the test leads to the leads of the capacitor being tested, observing proper polarity on polarized capacitors.
4. Read the Capacitance on the instrument display.

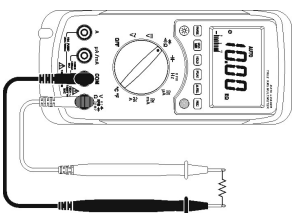
Notes:

1. The bar graph is disabled in the Capacitance measuring mode. However, in the 4mF and 40mF ranges, the bargraph indicates the time required to accomplish this measurement.
2. To obtain an accurate reading, the capacitor under test must be fully discharged. This instrument will automatically discharge the capacitor, if necessary, but requires considerable time to do so. Because of this time factor, it is preferable to discharge the capacitor by external means. If the instrument is discharging a capacitor prior to measurement, disc will appear on the display.

5.4 Resistance Measurements

WARNING

Before making any in-circuit measurements, remove power from the circuit being tested and discharge all capacitors in the circuit.



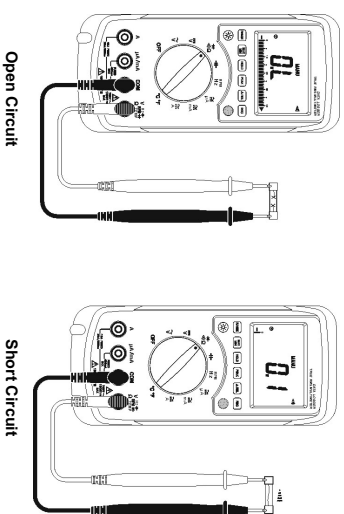
1. Connect the red test lead to the 'V Ω ' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the Ω function.
3. Connect the test leads in parallel with the circuit being tested and read the measured resistance on the instrument display.

5.5 Continuity Measurements

WARNING

Before making any in-circuit measurements, remove power from the circuit being tested and discharge all capacitors in the circuit.

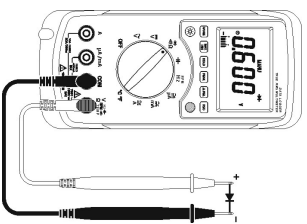
1. Connect the red test lead to the 'V Ω ' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the $\Omega \rightarrow \rightarrow$ function.
3. Press the blue Second Function button once to select the $\rightarrow \rightarrow$ function.
4. Connect the test leads in parallel with the circuit being tested.
5. When the impedance between the test leads is less than 40 Ω , a continuous beeper will activate.



5.6 Diode Tests

WARNING

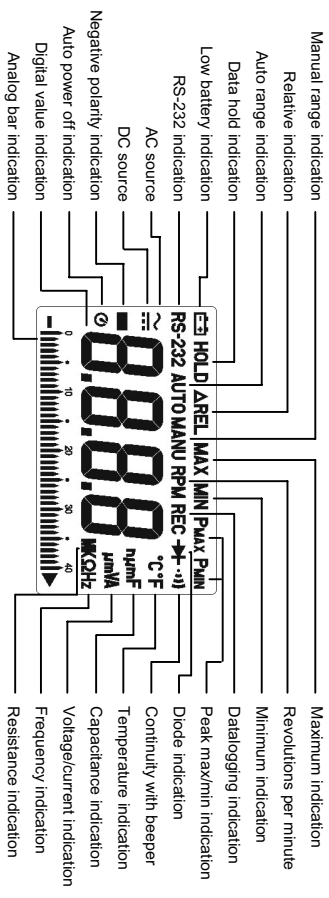
Before making any in-circuit measurements, remove power from the circuit being tested and discharge all capacitors in the circuit.



1. Connect the red test lead to the 'V \rightarrow ' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the $\Omega \rightarrow \rightarrow$ function.
3. Press the blue Second Function button twice to select the $\rightarrow \rightarrow$ function.
4. Connect the red test lead to the anode side and the black test lead to the cathode side of the diode being tested.
5. Read the Forward Voltage (V_F) on the instrument display.

Note: If the polarity of the test leads is reversed, the display will read 'OL'. This can be used to determine the anode and cathode terminals of a diode.

4.0 Control Functions:



4.1 Function Selector Rotary Switch

The rotary switch turns power on to the instrument and selects the function to be measured. The primary functions available are printed in red and white on the instrument scale. Alternate functions, accessed in conjunction with the blue Second Function Button, are printed in blue.

4.2 Range Button

The instrument powers on in the Auto Range mode, as indicated by the 'Auto' indicator in the display. To select a Manual Range, press the **RANGE** button which will lock the meter in its' present range and bring on the 'MANU' indicator in the display. Each subsequent press of the **RANGE** button circulates the instrument to the next higher range or wraps from the highest back to the lowest range. To exit the Manual Range mode and return to Auto Range, press and hold the **RANGE** button for one second.

4.3 MAX/MIN Button

The Maximum and Minimum values are the highest and lowest values displayed during the time the instrument is in the MAX/MIN mode. To display Maximum and Minimum values, first ensure the value will not exceed the measurement range selected. Press the **MAX/MIN** button once to display the Maximum value, as indicated by the 'MAX' indicator in the display. Press it again to display the 'MIN' value and indicator. Press it once more to display the current value. In this selection, the 'MAX/MIN' indicator will flash. To exit the MAX/MIN mode, press and hold the **MAX/MIN** button for one second.

4.4 Data Hold Function

To hold the current measured value, press the **HOLD** button. Press the **HOLD** button again to release the held data and return to continuous reading.

4.5 Peak Hold Function

This instrument is equipped with a 1ms Peak capture capability in the ACA, ACV, DCA and DCV ranges. The Peak values are the highest and lowest transient values captured by the instrument, regardless of whether or not they might be displayed in the normal measuring mode. To display Peak values, first ensure the value will not exceed the measurement range selected. The instrument must then conduct an internal self-calibration, which calculates and stores the offset voltage in preparation for capturing a high speed Peak value.

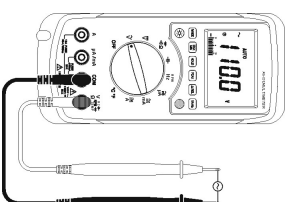
To invoke the calibration operation, press and hold the **PEAK** button for approximately 2 seconds until 'CAL' appears in the display. The instrument is now calibrated to properly capture Peak values.

Press the **PEAK** button again to display the Maximum Peak, as indicated by the 'PMax' indicator in the display. Press it once more to display the 'Pmin' value and indicator. Press and hold the **PEAK** button for 2 seconds to exit the Peak mode.

Note: The instrument must be calibrated in accordance with the above procedure whenever the function range is changed.

5.0 Operating Instructions:

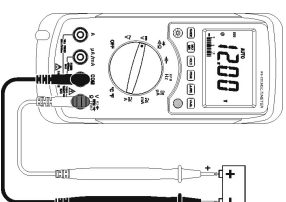
5.1 AC Voltage Measurements



WARNING
Maximum Input Voltage is 750VAC. To avoid electrical shock hazard and/or damage to this instrument, do not attempt to make any voltage measurement that may exceed this limit.

1. Connect the red test lead to the 'V' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the 'V~' range.
3. Connect the test leads in parallel with the circuit being measured.
4. Read the measured voltage on the instrument display.

5.2 DC Voltage Measurements



WARNING
Maximum Input Voltage is 1000VDC. To avoid electrical shock hazard and/or damage to this instrument, do not attempt to make any voltage measurement that may exceed this limit.

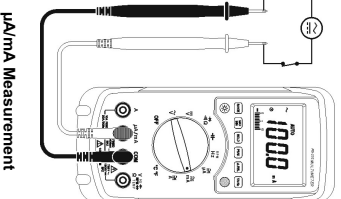
1. Connect the red test lead to the 'V' jack and the black test lead to the 'COM' jack.
2. Set the Function Selector switch to the 'V-' range.
3. Connect the test leads in parallel with the circuit being measured.
4. Read the measured voltage on the instrument display.

5.3 AC/DC Current Measurements

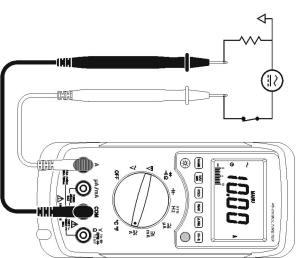
WARNING

To avoid injury, do not attempt a current measurement if the open circuit voltage exceeds the rated voltage of this instrument.

1. If the current to be measured is unknown, connect the red lead to the 'A' jack. If it is known or has been determined that the current is 400mA or less, connect the red lead to the 'µA/mA' jack. Connect the black lead to the 'COM' jack.
2. Set the Function Selector switch to the current range corresponding to the jack being used and press the blue button to select AC or DC.
3. Remove power from the circuit to be measured and connect the instrument in series with this circuit. Connect the black lead to the negative (-) side and the red lead to the positive (+) side being measured.
4. Apply power to the circuit and read the measured current on the instrument display.



µA/mA Measurement



Amp Measurement

4.6 Relative Operation

Pressing the **AREL** button zeroes the display and internally stores the present reading as a reference for subsequent measurements. The display now shows the difference between the stored value and the new reading.

Press the **AREL** button again to hold the Relative reading. The 'AREL' symbol in the display will flash in the Relative Hold mode.

Press and hold the **AREL** for 1 second to exit the Relative mode.

4.7 Record Button

Press the **REC** button to start and stop recording. The **REC** and **RS232** indicators both appear during recording. The instrument can record any number of data sets up to the 32,000 record capacity of its 'memory'.

To clear the memory, turn the instrument off, then press and hold the **REC** button while turning the instrument back on. The **REC** indicator will flash until the memory is fully cleared.

4.8 Backlight Button

The round yellow button with a 'Sun' logo turns the display backlight ON and OFF. The backlight automatically shuts off after 30 seconds to conserve battery power.

4.9 Second Function Button

The solid blue button selects the second functions printed in blue on the instrument scale around the rotary function selector.

The secondary functions available with this button are:

- In the Resistance position, the first press of the blue button selects the Continuity with beeper function. The second push of this button selects the Diode Test function.
- In the Frequency position, the blue button selects the RPM mode.
- In any of the Current measuring modes, the blue button toggles between AC and DC.
- In the Temperature function, the blue button toggles between °C and °F.

4.10 Auto Power Off

By default, the instrument powers on in the 'Auto Power Off' mode and will automatically shut off 30 minutes after the last key operation or RS232 communication.

To disable this feature, press and hold the **RANGE** button and then power on the meter. The **⓪** will not be displayed, indicating that 'Auto Power Off' is disabled.

4.11 20A Measuring Connector

This instrument is capable of measuring up to 10 amps continuously, or up to 20 amps for no more than 30 seconds. Connect the positive (red) test lead to this connector.

4.12 µA/mA Measuring Connector

Current measurements up to 400mA are best measured via this connector. This connection is internally fused at 400mA for protection of the instrument.

4.13 COM Measuring Connector

This connector is the negative (black) lead connection for all measurements.

4.14 V, Hz, $\frac{1}{f}$, RPM, $\frac{1}{\Omega}$, TEMP Measuring Connector

For all voltage, frequency, capacitance, RPM, diode test, resistance or temperature measurements, connect the positive (red) test lead to this connector.

4.15 Digital Output

The RS232 Digital Output is a 9600 bps N 81 serial interface. RX is a 5V normally high input port. TX is a 5V normally high output port.

