# APPA 60 & 90 Series Multimeter

## Specifications
- **Analog Bar Graph**
- **True RMS**
- **Auto Power Off**
- **Beep Guard™**
- **Frequency Counter**
- **Capacitance Ranges**
- **Continuity/Diode Test**
- **Water Resistant**
- **Drop Proof**
- **Protective Holster**

## Specifications Table

<table>
<thead>
<tr>
<th>Feature</th>
<th>APPA 60</th>
<th>APPA 80</th>
<th>APPA 81</th>
<th>APPA 89</th>
<th>APPA 90</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>LCD</td>
<td>LCD</td>
<td>LCD</td>
<td>LCD</td>
<td>LCD</td>
</tr>
<tr>
<td><strong>Measurement</strong></td>
<td>Voltage</td>
<td>Current</td>
<td>Resistance</td>
<td>Capacitance</td>
<td>Time/Frequency</td>
</tr>
<tr>
<td><strong>Input Impedance</strong></td>
<td>10MΩ</td>
<td>10MΩ</td>
<td>10MΩ</td>
<td>10MΩ</td>
<td>10MΩ</td>
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<tr>
<td><strong>Accuracy</strong></td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
</tr>
<tr>
<td><strong>Temperature Compensation</strong></td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
<td>±1%</td>
</tr>
<tr>
<td><strong>Battery Life</strong></td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>350g</td>
<td>350g</td>
<td>350g</td>
<td>350g</td>
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</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>120mm x 85mm x 38mm</td>
<td>120mm x 85mm x 38mm</td>
<td>120mm x 85mm x 38mm</td>
<td>120mm x 85mm x 38mm</td>
<td>120mm x 85mm x 38mm</td>
</tr>
</tbody>
</table>

## General Information

- **Model**: APPA 60/80/81/89/90
- **Company**: APPA Technology Corporation
- **Website**: [www.appatech.com](http://www.appatech.com)
- **Contact**: Tel: +886-2-29178820 | Fax: +886-2-29170848
- **ISO 9001 Certified**

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**Distributed by**

APPATFCom Co., Ltd.

APPATEG Com Co., Ltd.
**Pocket-Sized Multimeter**

**APPA 63N**
- 3200 count digital display
- 65 segments analog bar graph
- Autoranging and manual selection
- 0.5% basic dc volts accuracy
- 1.5% basic ac volts accuracy
- 1.8% basic ohms accuracy
- 1.0% basic dc amps accuracy
- 600V protection in every range
- Fast continuity beeper
- Diode test
- Display hold function
- MagHolder™

**APPA 67**
- 3200 count digital display
- 65 segments analog bar graph
- Autoranging and manual selection
- 0.7% basic dc volts accuracy
- 1.7% basic ac volts accuracy
- 1.2% basic dc amperes accuracy
- 1.7% basic ac amperes accuracy
- 0.9% basic ohms accuracy
- 600V protection non-current ranges
- Beep Guard™ warning system
- Fast continuty beeper (0.2 msec)
- Diode test
- Display hold function
- Auto power off
- MagHolder™

**Water Resistant**
- Models 63, 67 & 67R are designed for harsh environments with water tight panel at the front and rubber coated screw terminals to keep out dust, dirt and moisture.

**Shockproof**
- Shock resistant and rugged design guarantees that these multimeters will keep on working even after a five foot drop into a concrete floor.

**Beep Guard™**
- Specifically designed Beep Guard provides a constant beep warning if the leads put in the current bars and select an incorrect function.

**Multipurpose Holster**
- Every APPA 63 Series meter is supplied with a protective holster that includes a built-in stand, belt loops, and convenient felt-lined storage. This holster provides an extra degree of protection and convenience for your meter.

**Safety**
- All multimeters are designed to meet Class IEC 1010 and UL 3111 standards for the safety operated in all applications.

**Rugged Industrial Multimeter**

**APPA 91**
- 3 1/2 digit 0.5" large scale LCD
- 0.5% basic DCV accuracy
- 1.0% basic ACV accuracy
- 1.0% basic DCA accuracy
- 1.5% basic ACA accuracy
- 0.75% basic OMM accuracy
- CONTINUITY and DIODE Test
- 500V dual fuses protection
- Auto Power Shu Off
- Beep Guard™ warning system
- Water Resistant rating IP 64
- 5 foot drop proof
- Protective Holster with tilt stand
- IEC 1010-1 standard CAT II 600V

**APPA 93N**
- 3 1/2 digit 0.5" large scale LCD
- 0.5% basic DCV accuracy
- 1.0% basic ACV accuracy
- 1.0% basic DCA accuracy
- 1.5% basic ACA accuracy
- 0.75% basic OMM accuracy
- CONTINUITY and DIODE Test
- 500V dual fuses protection
- Auto Power Shu Off
- Beep Guard™ warning system
- Water Resistant rating IP 64
- 5 foot drop proof
- Protective Holster with tilt stand
- IEC 1010-1 standard CAT II 600V

**APPA 97** (True RMS reading)
- 3200 count digital display
- 65 segment analog bar graph
- Autoranging and manual selection
- 0.3% basic DCV accuracy (97R)
- 0.5% basic DCA accuracy (97)
- 1.0% basic ACV accuracy
- 1.0% basic ACA accuracy
- 1.5% basic ACA accuracy
- 0.5% basic OMM accuracy (97R)
- 0.75% basic OMM accuracy (97)
- TRUE RMS reading in AC/ACA (97R)
- CONTINUITY and DIODE Test
- 500V dual fuses protection
- Auto Power Shu Off
- Beep Guard™ warning system
- Water Resistant rating IP 64
- Fast continuty beeper (0.2 msec)
- Data HOLD key
- Unique DELAY HOLD function
- 5 foot drop proof
- Protective Holster with tilt stand
- IEC 1010-1 standard CAT II 600V

**APPA 63N** is designed to safely meet measuring requirements of the field service industry. They are not recommended for use in high energy current measurements.