

## SPECIFICATIONS: (All at 23°C±5°C, 80% RH)

### APPA 17 Pen-type Multimeter

#### DC Voltage:

Range: 320mV ~ 600V  
Accuracy: ±(0.7%+2d)  
Input Resistance: 10M  
Overload Protection: 600V

#### AC Voltage:

Range: 3.2V~ 600V  
Accuracy: ±(1.7%+5d) at 40Hz~500Hz  
Input Impedance: 10M //<100pF  
Overload Protection: 600V rms

#### Resistance:

Range: 320 ~30M  
Accuracy: 1.2%+4d at 320  
1.0%+2d at 3.2k ~320k  
1.5%+3d at 3.2M  
3.0%+5d at 30M  
Overload Protection: 600V rms

#### Continuity Buzzer:

<20 ,2kHz tone buzzer

Diode Test: Open circuit voltage 3.3V max.

Measuring rate: 2 T/S digital, 12 T/S analog

Temperature Coefficient: 0.15x(Spec. Accuracy)/°C <18°C or > 28°C

Operating Temperature: 0°C ~ 50°C, 80% RH.

Storage Temperature: -20°C ~ 60°C

Relative Humidity: 0 ~ 80% (0°C ~ 35°C)

0 ~ 60% (35°C ~ 50°C)

Safety: Conforms to IEC 1010 and UL 3111 specifications

Power Requirements: IEC LR03, UM4 or AAA size 1.5Vx2

Battery Life: 800 Hours (Alkaline)

Size: 145mm(L) x 42mm(W) x 24mm(D), without probes

Weight: 120 grams, without probes

Included With Instrument:

Test leads set, ZnC battery (installed),  
Carrying case and manual

### APPA 11 Thermocouple Module

#### SPECIFICATIONS:

Temperature Scale: Celsius or Fahrenheit user-selectable

Input: Single K-type thermocouple

Output to Meter: 1mVdc per°C or °F

Measurement Range: -50°C ~ 1000°F  
-58°F ~ 1830°F

#### Accuracy:

±(0.5%+2°C), -19°C ~ 350°C  
±(0.5%+4°F), -3°F ~ 662°F  
±(2.0%+2°C), 351°C ~ 500°C  
±(2.0%+4°F), 663°F ~ 932°F  
±(2.9%+2°C), 501°C ~ 1000°C  
±(2.9%+4°F), 933°F ~ 1832°F  
±(2.0%+2°C), -50°C ~ -20°C  
±(2.0%+4°F), -58°F ~ -4°F

Operating Temperature: 0°C ~ 50°C, 80% RH

Storage Temperature: -20°C ~ 60°C

Temperature Coefficient: 0.15 x (Spec. Accuracy) per °C, <18°C or >28°C

Relative Humidity: 0% ~ 80%

Power Requirement: Standard 9V battery,  
NEDA 1604 JIS 006P IEC 6F22

Battery Life: Alkaline 500 hours

Size: 122mm(L) x 46mm (W) x 30mm(D)

### APPA 17A Pen-type Multimeter

#### DC Voltage:

Range: 4.2V ~ 600V  
Accuracy: ±(0.5%+2d)  
Input Resistance: 9M  
Overload Protection: 600V

#### AC Voltage:

Range: 4.2V~ 600V  
Accuracy: ±(1.7%+5d) at 40Hz~500Hz  
Input Impedance: 9M //< less than 100pF  
Overload Protection: 600V rms

#### Resistance:

Range: 420 ~42M  
Accuracy: 1.2%+8d at 420  
0.9%+4d at 4.2k ~42k  
1.2%+4d at 420K ~4.2M  
3.0%+7d at 42M  
Overload Protection: 600V rms

#### Continuity Buzzer:

<50 ,2kHz tone buzzer

Diode Test: Open circuit voltage 3.3V max.

Measuring rate: 2 T/S digital.

Temperature Coefficient: 0.15x(Spec. Accuracy)/°C <18°C or > 28°C

Operating Temperature: 0°C ~ 50°C, 80% RH.

Storage Temperature: -20°C ~ 60°C

Relative Humidity: 0 ~ 80% (0°C ~ 35°C)

0 ~ 60% (35°C ~ 50°C)

Safety: Conforms to IEC 1010 and UL 3111 specifications

Power Requirements: IEC LR03, UM4 or AAA size 1.5Vx2

Battery Life: 800 Hours (Alkaline)

Size: 145mm(L) x 42mm(W) x 24mm(D), without probes

Weight: 120 grams, without probes

Included With Instrument:

Test leads set, ZnC battery (installed),  
Carrying case and manual

### APPA 11H RELATIVE HUMIDITY TRANSDUCER

#### SPECIFICATIONS:

Output to Meter: 1mVdc per 1%RH

Measurement Range: 10%RH ~ 95%RH

Accuracy:

±7%, 10%RH ~ 20%RH  
±5%, 20%RH ~ 35%RH  
±3%, 35%RH ~ 75%RH  
±5%, 75%RH ~ 90%RH  
±7%, 90%RH ~ 95%RH

Operating Temperature: 5°C ~ 45°C, (10%RH ~ 95%RH)

Storage Temperature: -20°C ~ 60°C, (0%RH ~ 50%RH)

Temperature coefficient: 0.2x(Spec. Accuracy) per°C,  
<18°C or >28°C

Relative Humidity: 10% ~ 95%

Power Requirement: Standard 9V battery,  
NEDA 1604 JIS 006P IEC 6F22

Battery Life: Alkaline 300 hours

Size: 131mm(L)x52mm(W)x30mm(D)

### APPA 15 AC Current transducer

Current Range: 0.1A to 300A a.c. RMS

Output Voltage: 1mV a.c. per 0.1 Amp a.c.

Working Voltage: 600V Cat. II per IEC 1010

Accuracy: ±(1.9%+0.5A), 50Hz to 60Hz  
±(3.9%+1A), 40Hz to 400Hz

Operating Temperature: 0°C ~ 50°C, 80% RH.

Storage Temperature: -20°C ~ 60°C

Safety : Designed to IEC 1010 AND UL3111 specifications

Jaw Opening: Ø30mm max.

Conductor Size: Up to 29mm diameter

Size: 72mm(W) x 102mm(L) x 36mm(D)

Weight: 150 gms

### APPA 32 DC/AC Current transducer

#### AC CURRENT:

Ranges: 100A,600A

Resolution: 10mV/A, 1mV/A

Accuracy: 45Hz~400Hz

±(2%+2A) In 100A range

±(2%+2A), 100~400A

±(3%+2A), 400~600A

#### DC CURRENT:

Ranges: 100A, 600A

Resolution: 10mV/A, 1mV/A

Accuracy: ±(2%+2A) In 100A range

±(2%+2A), 100 ~ 400A

±(3%+2A), 400 ~ 600A

Load Impedance: 100K min

Position Error: ±1%rdg

Output Voltage: AC/DC, 10mV/A in 100A, 1mV/A in 600A

Type of Sensing: Hall effect sensing for AC and DC

Low Battery Indicator: Red LED

Operating Temperature: 0°C ~ 50°C, 80% R.H.

Storage Temperature: -20°C ~ 60°C

Temperature Coefficient: 0.2x(spec. Acc'y)/°C, < 18°C or > 28°C

Shock Proof: 4 feet drops

Safety: Designed to IEC 1010 and UL 3111 specifications.

Maximum Conductor Size: Ø 34mm

Maximum Jaw Opening: 38mm

Maximum Busbar Size: 20x40mm

Power Requirement: Single 9V battery (NEDA 1604, IEC 6F22)

Battery Life: In hours (Alkaline battery) 45

Size: 60x203x27, w/o cable

Weight: 320 grams

Included with Instrument: Coiled cable output plugs (Installed)  
Carrying case and user's manual

# APPA 10 Series COMBIMETER®

## Versatility In The Palm Of Your Hand



Specifications subject to change without notice.  
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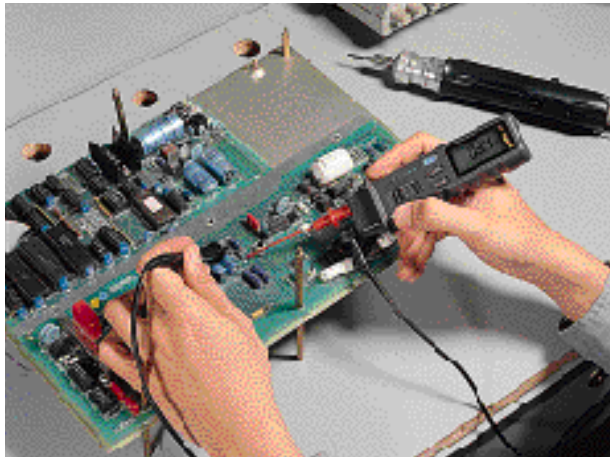
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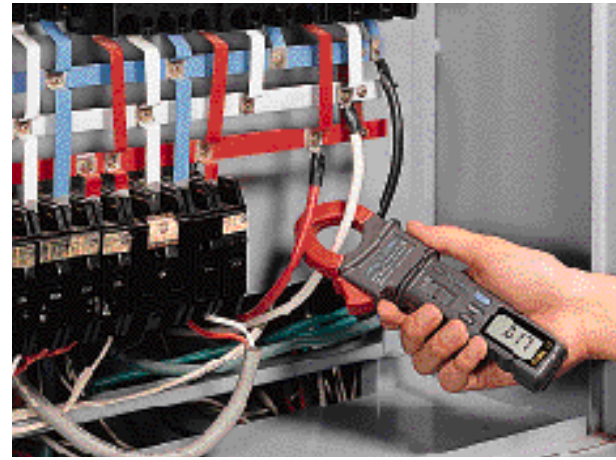
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# APPA®

Advanced Instrument Technology Made Easy



ACV, DCV, OHM, DIODE,.....Measurement



AC Current Measurement



Temperature Measurement



DC/AC Current Measurement

### APPA AC 10S Carrying case

Tough, double wall woven fabric, two way zipper carrying case for APPA 10 series meters. Three separate holders to carry an APPA 17 and two transducers, inside pocket is designed to carry test leads, bead probe and manual.

This deluxe carrying case is also versatile to carry APPA 60 series multimeter, APPA 50 series thermometer .....etc.



APPA 17

3200 count digital resolution  
65 segment analog bar graph  
Autorranging and manual selection  
0.7% basic dc Volts accuracy  
1.7% basic ac Volts accuracy  
1.0% basic ohms accuracy  
600V protection in every range  
Fast continuity beeper  
Data hold function  
Auto power off  
Conforms to IEC1010 & UL 3111 specifications  
Standard "AAA" size batteries ,long battery life  
Featured with standard 3/4" pitch input jacks  
Rugged construction with fire retardant, high-impact plastic case  
Soft carrying case included



NEW  
APPA 17A

4200 count digital resolution  
Autorranging and manual selection  
0.5% basic dc Volts accuracy  
1.5% basic ac Volts accuracy  
0.8% basic ohms accuracy  
600V protection in every range  
Fast continuity beeper(0.2msec)  
Data hold function  
REL function  
Auto power off  
Adapt function with serial options  
Conforms to IEC1010 & UL 3111 specifications  
Standard "AAA" size batteries ,long battery life  
Featured with standard 3/4" pitch input jacks  
Rugged construction with fire retardant, high-impact plastic case  
Soft carrying case included



APPA 11

Converts any DMM into a thermometer  
-50°C to 1000°C  
(-58°F to 1830°F) range  
°C/°F switchable  
Flashing light operating indication  
Battery voltage check  
K type Bead thermocouple sensor included (-40°C to 204°C)  
Standard 9V battery



APPA 11H

Converts any DMM into a relative humidity meter  
10%RH to 95%RH  
Flashing light operating indication  
Battery voltage check  
Polymer type sensor Built-in  
Standard 9V battery



APPA 15

AC 300A Capability  
1.9% basic accuracy  
Non-intrusive transducing  
Up to 29mm dia. conductor  
Ergonomically designed jaw and trigger  
Hand guard designed



APPA 32

AC/DC 600A capability  
Hall Effect technology  
2.0% basic DCA/ACA accuracy  
Non-intrusive transducing  
Up to 34mm dia conductor  
Up to 20x40mm busbar  
DCA zero adjust knob  
Power on indicating  
Battery low indicator  
5 feet drop proof  
Coiled cable output plugs  
Hand guard protection  
Carrying case included