



Introduction

The CPA1 is a battery-operated capacitance adapter which enables the user to measure various capacitors used in the HVAC/R industry. This adapter is compatible with most digital multimeters having standard input jack spacing of 3/4 inches and 10 M Ω or greater input impedance. The LED near the control switch indicates if this adapter is ON (LED glows) or OFF. This LED also indicates low battery voltage when it glows dimly.

Features include

- Measurement Range: 40 μ F/400 μ F
- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Output Signal: 0.1 millivolt per 0.01 μ F (40 μ F Range)
0.1 millivolt per 0.1 μ F (400 μ F Range)
- Battery Type: 9 V, NEDA 1604 or 6F 22 or 006p
- Weight: 138 g (4.87 oz.)
- Size: 104mm x 42mm x 37mm

| Range | Resolution | Accuracy |
|--------------|-------------------|-----------------|
| 40 μ F | 0.01 μ F | 2.5% + 5 digits |
| 400 μ F | 0.1 μ F | 2.5% + 5 digits |

Note: Some capacitors are labeled with "M" in place of " μ " to indicate micro as the multiplier.

Instructions

1. Remove all test leads from the multimeter and set the multimeter to the DC mV range.
2. Plug the adapter into the multimeter's V (+) and COM (-) terminals, making sure the polarity is correct. When the polarity is reversed, a minus (-) sign will be appeared in the display.
3. Slide the power switch of the adapter to the desired range.
4. Connect the adapter's red test lead to the + side and black test lead to the - side of the capacitor under test.
5. Read the capacitance value in the LCD of the multimeter.



CPA1

Capacitance Adapter

Limited Warranty

The CPA1 is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at Uei's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. Uei shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

1-800-547-5740 • FAX: (503) 643-6322
www.ueitest.com • Email: info@ueitest.com

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

