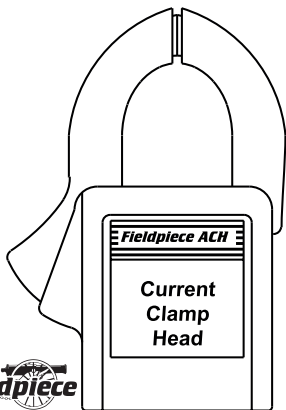


Fieldpiece_____

300AC Current Clamp

Accessory Head:

Model ACH



OPERATOR'S MANUAL

Quick start...

Clamp the jaws around a single conductor, set the meter to the lowest mVAC range and read amps up to "199.9".

Introduction...

The Fieldpiece Model ACH converts AC current to a voltage easily measured by most DMM's by just clamping the jaws around a current carrying conductor.

The model ACH1 current clamp converts AC amps to voltage at a rate of 1 amp to 1mV (1000 to 1).

The ACH Clamp Head was designed to be snapped directly onto the Fieldpiece HS Series DMM or to be used with the Fieldpiece HB70 series or any

DMM that has the industry standard "Fluke" style input jacks using the Deluxe Test Leads (ADL2).

When snapped onto the Fieldpiece HS Series Stick Style DMM the pair make a convenient one piece digital clamp meter that reads current directly, without requiring the user to perform mental calculations or move the decimal point.

The ACH also snaps onto the EHD11 electronic handle to make a convenient stand alone current clamp meter.

For your safety...

Do not attempt to measure any circuit in which the circuit-to-ground voltage exceeds 1000V rms.

Measurement of AC power sources with inductive loads or AC power sources during electrical storms may result in extremely high-voltage, high-energy transients that could damage the meter and consequently expose the user to a dangerous shock hazard.

Inspect the test leads for damage to the insulation or exposed metal. Replace or do not use if suspect.

When disconnecting from a voltage measurement, disconnect the "hot" lead first, then the common.

Discharge capacitors prior to making resistance or capacitance measurements.

Work with others.

Use one hand. Hands, shoes, and floor must be dry when taking measurements.

Avoid use of the current converter under humid or damp conditions which could affect the dielectric withstanding voltage of the clamp.

Specifications:

Current range: 1A to 300A rms

Conversion rate: 1AAC to
1mVAC.

Frequency: 40Hz to 500Hz

Operating temp.: -15 °F to 130 °F

Accuracy (\pm reading \pm least
significant digits, 72°C \pm 8°F,
Clamp head only--add to DMM
accuracy for total accuracy)

50Hz to 60Hz \pm 1.5% + 1

30Hz to 500Hz \pm 4% + 1

Temperature coefficient: less than
0.010% per °C

Circuit-to-ground voltage:
1000Vrms max.

Maximum conductor size: 0.91
inches (23mm)

Dimensions: 1.14 inches x 2.84
inches x 4.17 inches

Operating instructions:

1. Connect the ACH Clamp Head to digital multimeter V-W and COM terminals. (Polarity is not important.)
2. Set the multimeter to mVAC range.
3. Snap the jaws of the current converter around one of the current-carrying conductors. Make sure the jaws are tightly clamped.
4. Directly read the current value (in amperes) indicated on the display (multiply by 1000 if using the 2V range).
5. If meter displays overload, change range to next highest (2000mVAC or 2VAC. For 2VAC range, multiply reading by 1000.)

Maintenance:

For the Clamp Head to operate properly, the magnetic joint surfaces should be maintained free of dust, dirt, or residues of wire insulation.

Clean the Clamp Head using a mild detergent in water. Other solvents may damage the plastic or reduce the effectiveness of the insulation. Dry the instrument thoroughly before use.

Service:

There are no user serviceable parts inside.

The warranty statement for Fieldpiece ACH Clamp Head in the back of this manual. Read it carefully before requesting warranty service. Any ACH Clamp Head claimed to be

defective should be returned to Fieldpiece Instruments for warranty service.

Warranty service will typically be made within 24 hours after receipt of defective unit. Any non-working out-of-warranty product may be sent to Fieldpiece Instrument for service. Send the ACH Clamp Head along with a check or money order for \$15.00 to

Fieldpiece Instruments
580 West Central Ave. Suite A
Brea, CA 92821

Your repaired or replaced Clamp Head will be returned to you with a 6 month warranty.

WARRANTY :

The ACH is warranted to the original purchaser against defects in material or workmanship for a period of two (2) years from the date of purchase. During the warranty period, Fieldpiece Instrument will, at its option, replace or repair the defective unit.

This warranty does not apply to defects resulting from abuse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument. Any implied warranty arising out of the sale of Fieldpiece's products including but not limited to implied warranties of merchantability, and fitness for purpose, are limited to the above.

Fieldpiece shall not be liable for incidental or consequential damages.

State laws vary, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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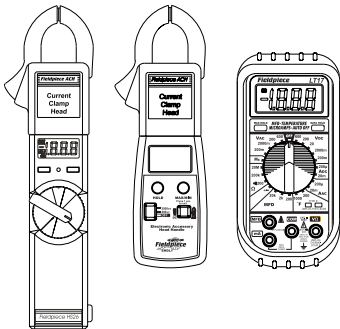
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Brea, CA 92821

Phone: (714) 257-9060

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www.fieldpiece.com



Converts Fieldpiece HS26 DMM or EHD11 into one piece 300AAC clamp-meter with digital readout. . Also connects to LT17 or any other DMM with "Fluke" style input jacks, when used with Fieldpiece Model ADL2 test leads.