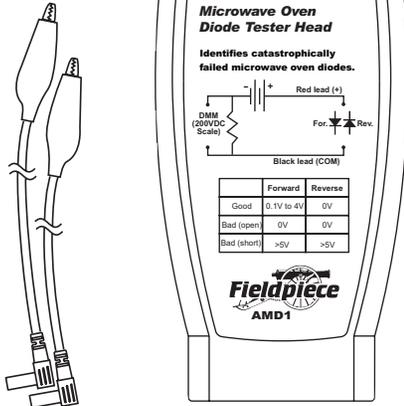


Fieldpiece

Microwave Oven
Diode Tester
Accessory Head
Model: AMD1



OPERATOR'S MANUAL

Description

The model AMD1 Microwave Oven Diode Tester Accessory Head identifies catastrophically failed microwave oven diodes. It supplies a high enough voltage to conduct measureable current in the forward direction on most high voltage diodes. The meter measures the voltage across a resistor in series with the diode. If the diode under test has failed short, the current through the resistor will be high and the voltage measured will be high (voltage = current X resistance). If the diode has failed open or you're testing the reverse direction of a good diode, current through the resistor will be low and the voltage measured will be low. In the forward direction, the voltage will be "medium" (lower than a shorted diode and higher than an open or blocking diode).

The AMD1 along with the included alligator clips converts the Fieldpiece "stick" series meter to a one-piece microwave diode tester. Use the optional Fieldpiece ADLS2 deluxe silicone test leads or the AHDL1 adapter handle with the AMD1 for use with DMMs with industry standard jacks.

Specifications

Operating temp: 32°F to 120°F at <95%RH

Storage temp: -4°F to 140°F

Electronics: 100Ω nominal resistor

Accessories: ASL2 small alligator clips

Battery: 9V (installed)

Battery check

To check the internal 9V battery, measure the voltage between the COM and + jacks of the AMD1. Replace the battery if voltage between accessory head jacks is less than 8V.



WARNING



Disconnect diode from circuit. **DO NOT CONNECT TO A LIVE CIRCUIT.** This accessory head is made to exercise a diode out of the circuit with no power applied.

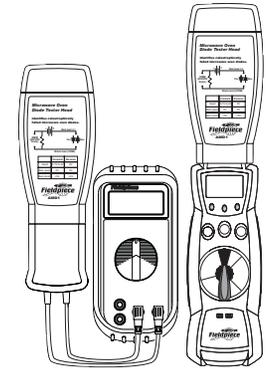
Operation

1. Connect the AMD1 to meter's COM and VOLTS plugs. (shown far right)
2. Set meter to VDC scale.
3. Connect leads from AMD1 to diode, take reading.
4. Reverse leads, take another reading.
5. Compare readings and compare to chart below to evaluate the diode.

	Forward	Reverse
Good	0.1V to 4V	0V
Bad (open)	0V	0V
Bad (short)	>5V	>5V

Use it your way

Connect the AMD1 to your choice of meter. It will work with almost any meter with a VDC scale. Slide the AMD1 onto the AHDL1 connected to meter or directly to the HS30 series stick meter.



AHDL1w/DMM "Stick"

Warranty

The product is warranted to the original purchaser against defects in material or workmanship for a period of one (1) year from the date of purchase. During the warranty period, Fieldpiece Instruments 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.

Service

Any defective AMD1 should be returned to Fieldpiece Instruments for warranty service along with proof of purchase. Call Fieldpiece for a return material authorization (RMA). For out of warrantee service, send the AMD1 along with a check or money order for \$10.00 to Fieldpiece. Your AMD1 will be repaired or replaced at Fieldpiece's option.



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