

## MICRO AMP TEST METER LESS ENCLOSURE (DUAL SCALE-PROTECTIVE CIRCUIT)

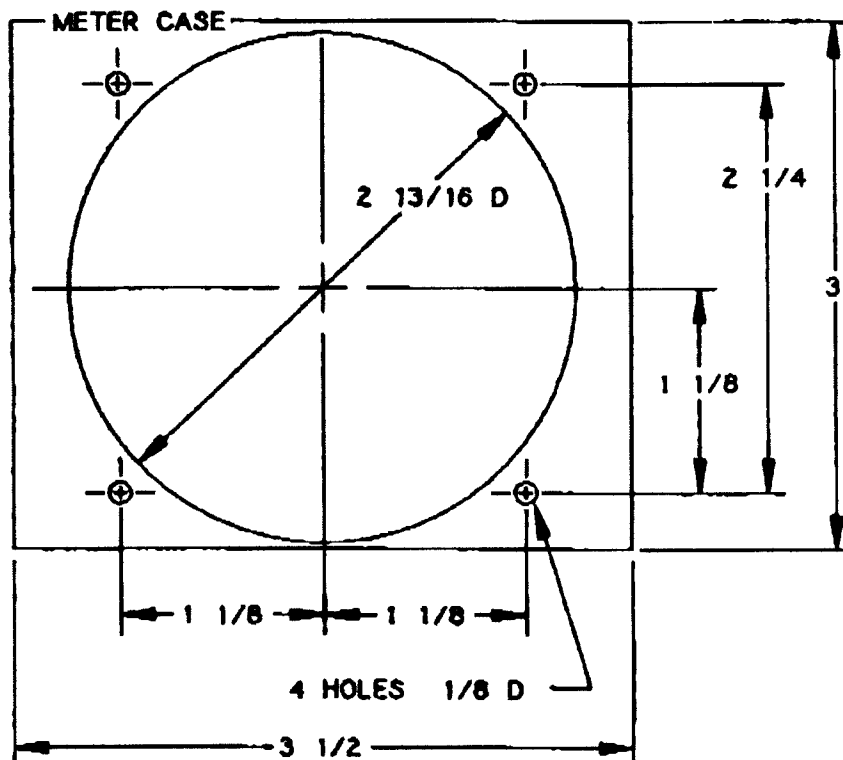
The MICRO AMP TEST METER may be used to adjust the flame and position the flame sensor for maximum signal strength. The METER allows reading the flame signal strength from both ultra-violet scanners and flame rods. (See PROTECTOFIER Service Manual PSM-1187). The 0-200 $\mu$ A scale is used when using the P-C II, P-C II W, or P-C II WRA ultra-violet scanners. The 0-50 $\mu$ A scale is used when using a flame rod. The factory installed jumper on the METER between terminals A&B should be removed when a flame rod is used in order to utilize the 0 to 50 $\mu$ A scale.

The METER includes a protective circuit to guard against damaging the METER should the wire leading to the signal source be accidentally grounded (or should the flame rod be grounded). The METER also includes a needle dampening circuit which allows easier reading of the METER with the fluctuating signal of a U-V scanner.

A test plug assembly (optional) may be used with ring tong terminals connected to the studs of the METER. The test plug is plugged directly in the " $\mu$ A TEST" jack on the PROTECTOFIER chassis.



TEST PLUG  
ASSEMBLY  
WITH RING TONG  
TERMINALS  
(OPTIONALLY AVAILABLE)



MOUNTING DIMENSIONS IN INCHES



PROTECTION CONTROLS, INC.

**POWER EQUIPMENT CO.**

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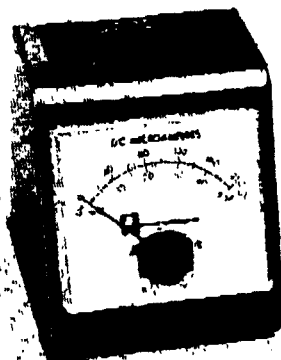
## MICRO AMP TEST METER WITH ENCLOSURE AND TEST PLUG ASSEMBLIES (DUAL SCALE-PROTECTIVE CIRCUIT)

The MICRO AMP TEST METER may be used to adjust the flame and position the flame sensor for maximum signal strength. The METER allows reading the flame signal strength from both ultra-violet scanners and flame rods. (See PROTECTOFIER Service Manual PSM-1187). The 0-200 $\mu$ a scale is used when using the P-C II, P-C II W, or P-C II WRA Ultra-Violet Scanners. The 0-50 $\mu$ a scale is used when using a flame rod.

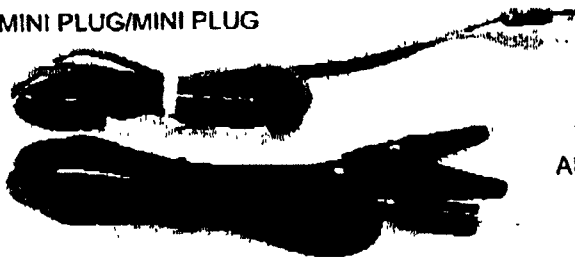
Using the test plug assembly with identical plugs at either end, the METER can be connected into the signal circuit by inserting one plug into the " $\mu$ A Test" jack on the PROTECTOFIER chassis and the other plug into the appropriate jack ("U-V" or "E") on the METER. The signal strength is measured on the corresponding METER scale.

If the flame sensor wires or terminals are exposed (such as at the P-C "II" or flame rod), the other test plug assembly having alligator clips at one end is used. The black clip connects to the flame sensor and the red clip connects to the PROTECTOFIER (or the wire leading to the PROTECTOFIER) and the other end plugs into the appropriate jack ("U-V" or "E") on the METER. The signal strength is measured on the corresponding METER scale.

The METER includes a protective circuit to guard against damaging the METER should the wire leading to the signal source be accidentally grounded (or should the flame rod be grounded). This protection is in the METER circuit of both test jack positions. The meter also includes a needle dampening circuit which allows easier reading of the METER with the fluctuating signal of a U-V scanner.



MINI PLUG/MINI PLUG



TEST PLUG  
ASSEMBLIES

ALLIGATOR CLIPS/MINI PLUG



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