

### 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.

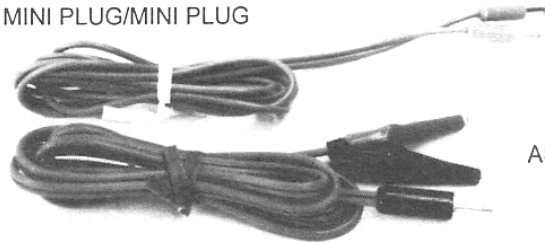
Using the test plug assembly with identical plugs at either end, the METER can be connected into the signal circuit by inserting one plug into the " $\mu$ A Test" jack on the PROTECTOFIER chassis and the other plug into the appropriate jack ("U-V" or "E") on the METER. The signal strength is measured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