

QUALITY CONTROL FOR COATING APPLICATION

AP/W

## MODEL AP/W HOLIDAY DETECTOR

The **Tinker & Razor Model AP/W Holiday Detector** is a completely transistorized, portable electrical inspection instrument. Adaptable for use on both large and small diameter pipe as well as flat surfaces when such surfaces are coated with a high electrical resistant material and the surface beneath the coating is electrically conductive. The **Model AP/W** operates well on damp surfaces so is desirable where humid conditions prevail.

The **Model AP/W** supplies a wide range of output voltages suitable for the inspection of almost all modern day protective coatings including thin film epoxies, vinyls, polyethylenes, etc. and thicker coatings such as hot applied coal, tar, asphalt and heavy mastic materials.

**Interchangeable** pulse transformers are described on reverse side. Each transformer develops **SIX** fixed output voltages selected through an externally mounted switch. The plug-in pulse transformer becomes an integral part of the wand assembly and transformers can be interchanged **in a matter of seconds**.

The current for the detector is furnished by a **completely sealed, rechargeable, dry cell nickel cadmium battery** which requires **NO** maintenance other than recharging. A full day's work of field inspection is possible before the battery needs recharging (**battery is rechargeable in instrument case**). The detector can be stored for long periods of time with **no adverse effects**.

Weighing only **8 lbs.**, the detector can be comfortably belt-mounted or carried by the handle. When faults or foreign particles in the protective coating are encountered by the inspection electrode, a **distinctive audible signal** is activated in the instrument.

Dependability is assured by **ABSOLUTE solid state construction** (without vibrators, relays, bell signal contacts or moving parts).

Maintenance and down time are virtually eliminated through advanced design engineering.

### FEATURES:

Plug-in high voltage pulse transformers with wide selection of fixed output voltages. **Re-chargeable dry-cell NICAD battery** which averages over two years life expectancy. Lightweight, belt-mounted instrument housed in tough, rugged, injection-molded "CYCOLAC".



Tinker & Razor Holiday Detectors approved and specified by leading utility companies, manufacturers, applicators, and various governmental agencies.

Meets U.S. Government regulations for air shipment.

*Quality Control for Coating Applications*

**TINKER & RASOR**  
OVER HALF A CENTURY OF QUALITY PRODUCTS



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“ALL PURPOSE - ALL WEATHER” PERFECTION

# MODEL AP/W HOLIDAY DETECTOR

## FULLY TRANSISTORIZED HOLIDAY DETECTOR

COMPLETELY OF SOLID STATE CONSTRUCTION

### MODEL AP/W DETECTOR COMPLETE CONSISTS OF:

- (1) Instrument housed in an indestructible, shockproof, injection molded “Cyclocac” case.
- (1) Nickel Cadmium Battery
- (1) Battery Charger with light indicator
- (1) Battery Tester
- (1) Adjustable leather belt
- (1) 20’ Ground Wire of flexible speedometer cable
- (1) Powerpak Assembly (Specify Voltage) complete with one powerpak, 18” wand with coupler, 18” wand extension, 5’ cable and puller attachment
- (1) Electrode (half circle spring electrode U.S. Patent No. 2,615,077) for any **one** size pipe to 8” Dia. or full spring electrode for any **one** size pipe 2” to 36” in width. Electrodes are complete with attachments and couplings
- (1) Instruction manual with parts list
- (1) Carrying Case: Compartmented carrying case of heavy duty, aluminum banded plywood. Size 8 ½” x 12 ¼” x 19 ¾”

### OUTPUT VOLTAGE DATA:

Output high voltage pulse transformers referred to as “powerpaks” are available from stock. Approximate voltage ranges as follows:

- 900V – 1,400V – 2,000V – 2,500V – 3,000V and 3,400 volts.
- 3,500V – 5,000V – 6,000V – 7,500V – 8,500V and 10,000 volts.
- 6,000V – 8,000V – 10,000V – 12,500V – 15,000V and 16,000 volts.
- 12,500V – 17,500V – 20,000V – 27,000V – 31,000V and 35,000 volts.



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