



TINKER & RASOR

CORROSION MITIGATION INSTRUMENTATION

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PRODUCT INSTRUCTIONS

MODEL AP/W HOLIDAY DETECTOR

POWERPAK SETTINGS

The Model AP/W, pictured at right, is a high voltage holiday detector. It can provide output voltages from 900volts to 35,000 volts, DC. The Model AP/W is a pulse –type holiday detector, meaning that the output voltage comes in pulses instead of continuous current. Pulse – type holiday detectors are safer to use, do not track through moisture to nearby holidays, and do not damage coatings as a continuous output instrument may.

The Model AP/W uses a PowerPak to determine the output voltage of the instrument. There are four (4) PowerPaks to choose from, each with a range of six (6) voltage settings.

Because the output voltage is determined by which PowerPak is being used, the Model AP/W does not have a voltage guide on the instrument itself. The instrument has a voltage selector in the upper right corner of its face, which shows the following settings:

L – (Low), 2, 3, 4, 5, H – (High)

Each of these settings corresponds directly to the range engraved on the PowerPak being used. As shown in the picture to the right, each PowerPak is engraved with its range of output voltages. The output voltages are engraved in Kilovolts. This means that 900 volts is shown as .9, and 3,400 volts is shown as 3.4 K-V.

For the PowerPak shown at right, the settings on the Model AP/W would correspond to the PowerPak output in this way:



.9 – 3.4 K.V.

L = .9 (900v), 2 = 1.4 (1,400v), 3 = 2. (2,000v), 4 = 2.5 (2,500v), 5 = 3. (3,000v), H = 3.4 (3,400v)

The other PowerPaks available are:

3.5 – 10 K.V.

L = 3.5 (3,500v), 2 = 5. (5,000v), 3 = 6. (6,000v), 4 = 7.5 (7,500v), 5 = 8.5 (8,500v), H = 10. (10,000v)

6 – 16 K.V.

L = 6. (6,000v), 2 = 8. (8,000v), 3 = 10. (10,000v), 4 = 12.5 (12,500v), 5 = 15. (15,000v), H = 16. (16,000v)

12.5 – 35 K.V.

L = 12.5 (12,500v), 2 = 17.5 (17,500v), 3 = 20. (20,000v), 4 = 27. (27,000v), 5 = 31. (31,000v), H = 35. (35,000v)

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