

## Accurate, Reliable Inspection of any coating, onshore or offshore

**Infinite Voltage Setting** allows you to set the voltage exactly to the level you desire for the coating you are inspecting. Not 6 settings, not 20...any setting you desire over the complete range of each detector model. Whatever the pipe size, 2 inches through 60 inches, whatever the coating—somatic, tar, asphalt, extruded coats and tapes or thin film epoxy coatings—you have at your control the exact voltage setting required.

**Interchangeable batteries** easily slip into position with a snap that announces positive contact and a secure lock in position. Two batteries and a universal charger are part of the package. For continuous service, one battery is kept charging (approx. 8 hours) while the other powers the unit.

**Automatically Regulated Voltage** keeps your voltage constant! Over a range of 2 in. through 60 in. pipe the detector output voltage automatically adjusts under the working load to the voltage levels you set. Now you can forget compensations for pipe size, or moisture on the pipe—the detectors automatically make these adjustments.

## Models 780•785•790

### Models 780, 785 and 790

The new generation SPV 780, 785 and 790 holiday detectors upgrade the proven reliability of our earlier models 715, 725 and 735 to speed and improve your operations.

### Improved control

- Easy carry top handle
- Comfortable ergonomic rear handle
- Shoulder strap

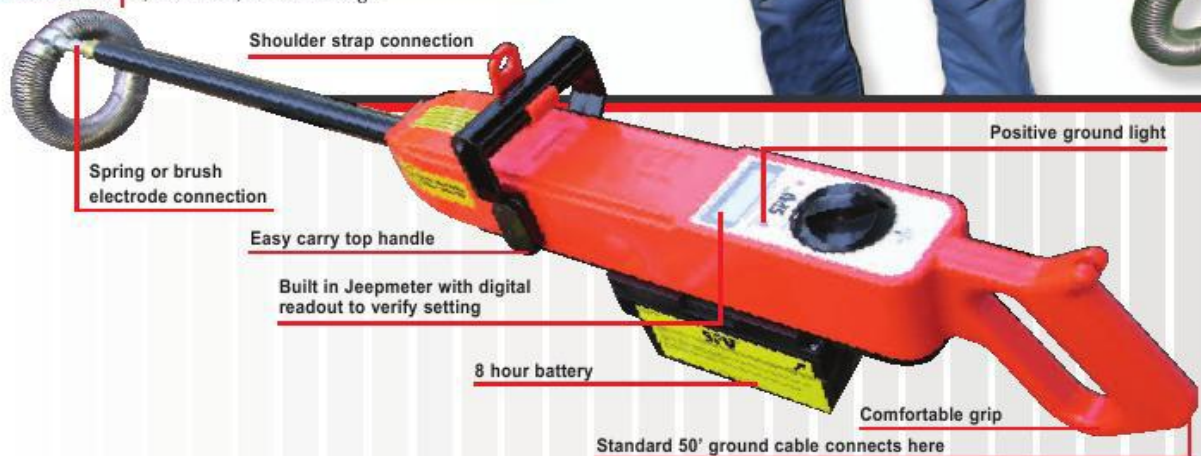
### Faster set up/smooth operations

- Integral Jeep Meter to verify voltage setting
- Positive ground light /OK to commence Jeeping
- More audible alarm for heavy equipment environments

### Proven reliability

- Lightweight durable construction with proven circuitry
- Infinite specific voltage adjustments on the fly.
- Automatic compensation for moisture (780 only)

<b>Model 780</b>	1,000 to 5,000 volt range (thin film only)
<b>Model 785</b>	1,000 to 15,000 volt range
<b>Model 790</b>	5,000 to 35,000 volt range



**Carrying/Shipping Case:** Molded ABS plastic construction assures secure weather-proof protection for detector and components. Parts are cushioned in a molded insert. Full-length piano-type hinge, rugged catches.

**Weights:** Average domestic shipping weight (dependent on electrode size): 35 lbs. Export air shipping weight: about 50 lbs.

Electrodes are used to transfer voltage from the holiday detector to a surface. Various designs are available to meet type and size requirements.

Electrodes are offered in a wide variety of types. Spring electrodes are normally used in the inspection of pipes, although circular brush electrodes can also be used. Flat brush electrodes are used for flat surfaces. Brush materials can be of brass, steel or conductive neoprene construction. Internal electrodes are for testing internal pipe coatings.

## Electrode Types



**Electrode Connector:** For spring electrodes the connector has a sealed ball bearing in the end to permit the electrode to roll freely. Simple wing nut connection for brush and other type electrodes.



### OTHER DETECTORS

**SPY® FAULT FINDER (Person type)** – for the survey of underground pipelines. Finds coating faults, locates and traces underground pipelines and cables.

**SPY® Jeepmeters** – check holiday detector voltage to assure absolute highest accuracy and efficiency. Deluxe digital Model JM measures both DC and pulse voltages. Pocket Models DCP JM and PJM are economical and handy for every day field use.

**SPY® Model 115/123 In-Plant Detector** – for heavy-duty or continuous operation in coating plants and yards. Permanent or semi permanent installation. Automatic or manual operation

**SPY® Model 670/673 “Wet Sponge” Detector** – locates flaws or discontinuities in thin film paint or epoxy coatings or surfaces. Inspection voltage output is 67.5 volts DC

The output voltage of your holiday detector is subject to influence by weather conditions, moisture on the pipe, improper grounding and soil conditions. In order to assure absolute highest accuracy and performance from your holiday detectors (jeeps), Pipeline Inspection Company has developed three special Jeepmeters for checking detector voltage output.

The model JM Jeepmeter provides the ultimate in accuracy and versatility. It features a digital display of measured voltages. The precision measurement displayed eliminates interpretation errors and is perfect for every day tests.

This Jeepmeter measures both pulse and DC voltage output. For pulse type holiday detectors, used to inspect shrink sleeves, tapes, coal tars, etc., the JM will measure up to 40 kv. For DC holiday detectors, used to inspect thin film epoxy coatings, the DC range of the JM measures up to 5 kv.

When used with pulse type detectors, this Jeepmeter automatically senses the polarity of the pulse. Leading-edge electronics solve the stability and repeatability problems sometimes experienced in the older models. Two pocket Jeepmeters provide efficient, economical output voltage testing in the field. These are handy for inspectors, superintendents, dope foremen and other field personnel to check voltages during operations, whenever and wherever there is doubt. they are lightweight, rugged and easy to read analog meters.

While the pocket Jeepmeters are not comparable to the accuracy of the larger and more versatile Model JM Jeepmeter, they are capable of meeting field requirements. With their economical cost and convenient size, these pocket Jeepmeters are ideal to equip every operator and inspector for everyday field use. These are precision instruments that combine durability, reliability and sensitivity.



The Model **JM Jeepmeter** provides the ultimate in accuracy and versatility. It features a digital display of measured voltages. The precision measurement displayed eliminates interpretation errors and is perfect for every day tests.



This Pocket **PJM Jeepmeter** is for high voltage pulse output detectors. It has a range of 0-20 kv. Two standard 9-volt alkaline batteries power the PJM.



The DC Pocket **DCPJM Jeepmeter** measures the output voltage of DC holiday detectors. It has a range of 0-5 kv. This DCPJM requires no batteries.

This Jeepmeter measures both pulse and DC voltage output. For pulse type holiday detectors, used to inspect shrink sleeves, tapes, coal tars, etc., the JM will measure up to 40 kv. For DC holiday detectors, used to inspect thin film epoxy coatings, the DC range of the JM measures up to 5 kv.

The JM is powered by two standard 9-volt alkaline batteries.

## SPECIFICATIONS

All Jeepmeters come complete with hook-up wires, protective carrying cases and operating instructions. Models JM and PJM require two standard 9-volt alkaline batteries.

MODEL	DIMENSIONS	SHIPPING WEIGHT	VOLTAGE RANGE
JM	0.6 cubic feet	9 lbs.	0-40 kv pulse 0-5 kv DC
PJM	0.3 cubic feet	3 lbs.	0-20 kv pulse
DCPJM	0.3 cubic feet	3 lbs.	0-5 kv DC