





	DESCRIPTION	STOCK NO.	RANGE	ACCURACY
	D.E. Stearns Holiday Detectors Models 10, 20 and 20S			
	Model 10 - Adjustable DC High Voltage Detector	20903144	1000-3000V	± 5%
	Model 20 - Adjustable Pulse, High Voltage Detector	20903146	6000-15000V	± 5%
	Model 20S - Adjustable Pulse, High Voltage Detector	20903147	22000-40000V	± 5%
	Designed to electrically locate defects in insulating coatings applied to metallic or concrete structures. Model 10 provides DC voltage. Models 20 and 20S convert low voltage direct current (rechargeable batteries) into high voltage pulses. Complete with 2 batteries, battery charger and shipping container. Specify electrode size upon ordering. Size: 34 1/2" x 8" x 18" Weight: 29 lbs.			


	D.E. Stearns Model 14/20			
	Model 14/20 - High Voltage Holiday Detector	20903145	1000-14000V	± 5%
	High voltage holiday detector used to locate voids in heavy coatings up to 20 different voltage settings from 1,000 to 14,000 volts. Coatings must be electrically resistant and the substrate conductive. Complete with main unit and battery charger, belt, 20' ground cable, output cable and 18" wand. Optional Accessories: Silicone brush electrode 2" to 36" Wire brush electrode 2" to 36" Half-circle spring electrode 3/4" to 8" Full-circle spring electrode 2" to 48"			
	Size: Holiday detector w/battery 6" x 10 1/2" x 4", Weight: 30 lbs.* * Weight varies with electrode choice.			


Helpful Hints - Holiday / Pinhole Detection

- Low voltage holiday detectors are used on coating systems from 0 - 20 mils.
- When coatings are in the 10-20 mil range a non-sudsing wetting agent may be added to the water to increase its wetting properties.
- Coating systems greater than 20 mils are normally inspected using high voltage holiday detecting equipment.
- High voltage rule-of-thumb -- 100 volts per mil.
- Excessive voltage settings may damage otherwise sound coatings.

	DESCRIPTION	STOCK NO.	RANGE	ACCURACY
	Elcometer 136 DC High Voltage Holiday Detector Models:			
	136-15 136-30	20901550 20901555	0-15000V 15000-30000V	± 5% ± 5%
	Lightweight, battery operated indicates the presence of pinholes, holidays, inclusions, air bubbles, cracks and thin spots in coating surfaces. Available in two output voltages. Complete with detector, rechargeable battery, high voltage probe and lead, band brush probe, earth lead, battery charger, shoulder carry case and instructions. Weight: 5 lbs.			
	Elcometer 204 Model 204	20903185	0 - 12mils.	± 5%
	Wet sponge pinhole detector for non-conductive coatings on conductive substrates. Economical, lightweight, battery powered and portable. Features audible alarm signal and 9VDC setting. Complete with belt fastener, probe, lead, and ground wire. Size: 3 1/2" x 7" x 1 1/2"			
	Elcometer 269 Model 269	20903186	0 - 20mils.	± 5%
	Heavy duty wet sponge pin hole tester. Lightweight battery powered and portable. Features an audible alarm, and switchable DC settings (9, 67.5 and 90V DC). Detects through 0.5mm thick coatings. Size: 3 1/2" x 7" x 1 1/2"			
	Porotest Holiday Detector Models:			
	P3 - Low Voltage, .5-3000 Volts	20903193	0-20mils.	± 5%
	P15 - High Voltage, 2-15,000 Volts	20903194	12-160mils.	± 5%
	P35 - High Voltage, 10-35,000 Volts	20903195	100-440mils.	± 5%
	Features rugged construction and battery operation to allow for field use. All electrical components are protected against dust and moisture.			


	DESCRIPTION	STOCK NO.	RANGE	ACCURACY
	SPY Holiday Detectors Stick Type Model 715 Low Voltage, for thin film coatings.	20901715	1000-5000V	± 5%
	Model 725 High Voltage, for thicker coatings such as coal tars, extruded and tape coatings. Pulse voltage output only.	20900232	1000-15000V	± 5%
	Model 735 Extra High Voltage, for somastic and other extra-thick coatings. Pulse voltage output only. The SPY Holiday Detectors offer infinite voltage adjustment over a range of 1000-35000 volts. The 715 automatically converts from DC to fast pulse mode with moisture on the pipe. All three units feature visual and audible signals. Complete with battery, charger, 21" electrode pusher wand, ground cable and sturdy ABS carrying/shipping case. Size: 26" x 14" x 7", Weight: 35 lbs. (varies with electrode choice)	20901735	15000-35000V	± 5%

	SPY Models 915 and 925 Shoulder Type Model 915 Low Voltage, for use on thin film coatings. Automatically converts from DC to fast pulse mode when moisture is encountered.	20903318	1000-5000V	± 5%
	Model 925 High Voltage, for use on thick film or thicker coatings (coal tars, extruded and tape coatings). Pulse voltage output only. Incorporate all of the features and capabilities of the 700 series detectors. Shoulder models with flat brush electrodes are specially suited for "spark testing" coatings on tanks and flat surfaces. Spring circle electrodes 2 1/2" to 80", Brush, Flat and Conductive	20903319	1000-15000V	± 5%

	Tinker & Razor M-1 Low Voltage Holiday Detector Model M-1 - Battery Operated Portable, non-destructive, holiday detector. Utilizes a wetted sponge to detect coating discontinuities. Provides an audible warning. No spark hazard. Suitable for use on conductive substrates (including concrete) with coating thickness to 20 mils. Battery powered. Complete with 15' ground wire and 18" phenolic wand and 2: x 2" x 7" cellulose sponge. Size: 5 1/2" x 3 1/2" x 2", Weight: 8 lbs.	20900230	1-20mils	± 5%
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For pricing, availability and order placement, please call our

Instrument Hotline
1-800-422-RUST (7878)

	DESCRIPTION	STOCK NO.	RANGE	ACCURACY
	<p>Tinker & Razor M1-AC Low Voltage Holiday Detector Model M1-AC - Plug-In Model M1-AC (110/120 AC line) works on the same principle as M-1 but can be adjusted for various sensitivities to detect moisture permeable areas in coating. Complete with 15 foot ground wire, 18 inch phenolic wand and sponge. Size: 3" x 4" x 5", Weight: 8 lbs.</p>	20900234	1-20 mils	± 5%
	<p>Tinker & Razor AP High Voltage Holiday Detector Model AP - D.C. Regulated Voltage Range 1,000 to 14,000 Volts Delivers true voltage to a coated substrate regardless of its size. The Model AP is not subject to "false holidays" brought on by moisture on the coating due to the use of pulse type D.C. voltage. Size: 8 1/2" x 12 1/4" x 19 3/4"</p>	20900225	1-20mils.	± 5%
	<p>Tinker & Razor AP/S1 Low Voltage, Stick Type Holiday Detector Model AP/S1 - For Fusion Bonded Epoxy Coatings</p>	20903374	1-30mils.	± 5%
	<p>Tinker & Razor AP/S2 High Voltage, Stick Type Holiday Detector Model AP/S2 -</p>	20900222	30-150mils.	± 5%
	<p>Tinker & Razor Model AP-W High Voltage Holiday Detector Model AP-W - Completely transistorized Model APW operates well on damp surfaces. Supplied with a wide range of output voltages (6 settings) up to 35,000 volts. Complete with charger and tester, 20' ground wire, carrying belt and standard 8" spring or conductive silicone electrode in rugged carrying case. Silicone Brush Electrodes: Available in the following sizes: 2, 4, 6, 8, 12, 16 and 36 inch Wire Brush Electrodes: Available in the following sizes: 4, 6, 8, 12, 16 and 36 inch Size: 19 3/4" x 8 1/2" x 12 1/4" Weight: 32 lbs.</p>	20900225	900-35,000V	± 5%

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