

ES-38 FOR SEWER LATERALS™



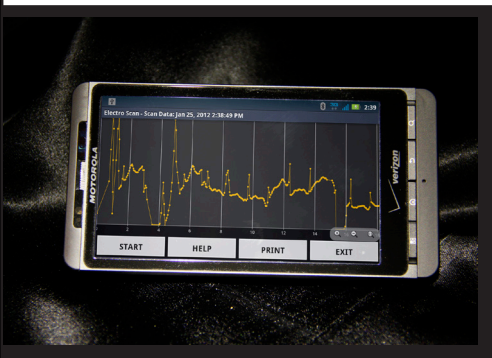
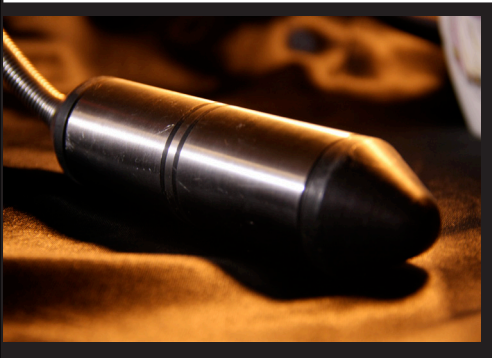
electro^{scan}inc.


CERTIFY LINING JOBS | FIND INFILTRATION

The ES-38 for Sewer Laterals™ is designed for scanning sewer laterals 3 to 8 inches in diameter, from a clean out, without the need to access the lateral from the main line. Electro Scan's proprietary technology measures the variations of electricity flowing through pipe defects, automatically transmitting defect location and relative size, accurate to within one (1) centimeter.



While electricity cannot not pass through non-conductive pipe walls (e.g. brick, cement, clay, reinforced concrete, plastic, pipe lining resins, etc.), it will pass through any defect that can cause water leaks.

The ES-38 for Sewer Laterals™, includes an ES-Probe Reel™, ES-Accessory Pack™, including items to facilitate recommended electrical grounding of the Electro Scan Probe, and ES-Smartphone Application, available for download from Google Play (i.e. formerly Android Market). Data is automatically sent via Bluetooth to the ES-Smartphone, where it is available for printing on an ES-Field Printer. Data is automatically transmitted to Electro Scan's CriticalSewers™ cloud application, where data is stored in a password-protected hosted environment, available for review, print, or export to Asset Management, GIS, and Hydraulic Modeling systems. Electro Scan Support Plans, priced separately.



ES-38 Probe 	Pipe	Diameter	3 to 8 inches (75 to 200mm)
		Material	Electrically non-conducting e.g. clay, plastic, concrete, reinforced concrete
	Probe	Length	6.5 inches (165mm)
		Diameter	0.57 inches (40mm)
	Distance	Accuracy	Negotiates 90 degree elbow in 3 inch pipe
		Resolution	+/-8 inches (150mm)
		System	0.5 inches (10mm)
	Scan Speed		Shaft encoder pulley coupled to cable
	Scan Recorder		30 ft/minute (10m/minute)
	Scan Processing & Reporting	Smart Phone Operating System	Bluetooth communication with Smartphone App
		Cloud Computing App	Android 2.3
	Cable	Type	Transmitted via smart phone
		Length	According to Support Plan with access at www.criticalsewers.com
	Reel	Diameter	1/4 inches (6.4mm) fiberglass push rod
		Weight	200 ft (60m)
	Power Supply	Internal Battery	Diameter 26", L26", W12", H32"
		Operation Duration	(Diameter 66cm, L66cm, W30cm, H81cm)
	Environmental	IP 67	39 lb (17.7kg)
	Warranty	Electronics	12# AA Alkaline Dry Cell
	Accessories (All Included)		40 hours
			Low Battery Indicator
			Withstand rain and low pressure wash down
			25° to + 120° F (-4° to + 49° C)
			5 years
			Ground Stake
			Water and Salt Diffuser
			Probe Calibration & Ground Cable Reel: 100ft (30m)
			Probe Reel to Ground Reel Connection Cable
			Water Hose: 50 ft (15m)
			Accessories Bag
			Operations Manual

Optional Equipment

ES-150 Air Push Rod 	Plug	Type	Compatible with standard test balls
		Connection	Tire Valve
		Pressure	25 psi
		Air Source	Manual Pump
	Hose	Length	Push Rod 100 ft (30m)
			Connectable to each other
	Pump	Type	High Volume Manual with Gauge
	Reel	Diameter	Diameter 24", L24", W11", H29"
Field Printer 		Weight	(Diameter 61cm, L61cm, W28cm, H74cm)
			26 lb (12 kg)
			Ruggedized Field Printer - Zebra RW-420
			AC Adapter
			Cigarette Lighter Adaptor
			Two (2) rolls of 4" wide Printer Paper

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Electro Scan ES-38™ Complies with ASTM Standard F2550-06

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