

## Pinpoint Identification of Infiltration and QA/QC of CIPP, Repairs & Rehabilitation



## ES-400

### Ruggedized Portal Sewer Leak Detection

- ES-400 is a non-acoustic, non-visual machine-intelligent solution that locates & measures multiple leaks in a single pipe.
- ES-400 is a go anywhere, scan any sewer main utilizing a mobile ruggedized reel.



## ES-400 Leader in CIPP Certification as Watertight

ES-400	PIPES	PIPE DIAMETERS	4 TO 24 INCH (100 TO 600MM)
		PIPE SHAPE	ANY, INCLUDING CIRCULAR, BOX, EGG-SHAPED, OVAL, AND TRAPEZOIDAL.
		PIPE MATERIALS	ELECTRICALLY NON-CONDUCTIVE PIPE WALLS, INCLUDING ASBESTOS CEMENT, BRICK, CEMENT MORTAR LINED AND COATED STEEL, CURED-IN-PLACE PIPE, DUCTILE IRON WITH EPOXY COATINGS, FIBERGLASS REINFORCED PIPE, HIGH-DENSITY POLYETHYLENE PIPE, PRESTRESSED CONCRETE CYLINDER PIPE, POLYETHYLENE, POLYVINYL CHLORIDE, REINFORCED CONCRETE, VITRIFIED CLAY PIPE, ETC.
	SYSTEM SPECIFICATION	DIMENSIONS	LENGTH: 8 IN (203MM); DIAMETER: 2.2 IN (56MM)
		SCAN RECORDING	CRITICAL SEWERS® FIELD LAPTOP PC WIFI CONNECTION TO CRITICAL SEWERS® CLOUD APPLICATION.
		SPEED	30 FT/MINUTE (10M/MINUTE)
		ENVIRONMENTAL	IP 67. ABLE TO WITHSTAND RAIN AND LOW PRESSURE WASH DOWN. 20°F TO 120°F (-7°C TO 50°C)
		POWER SUPPLY	12V RECHARGEABLE EXTERNAL BATTERY PACK -OR- 12V DC EXTERNAL POWER SUPPLY.
		REEL	SPOOL DIAMETER 39 INCHES L32 INCHES, W20 INCHES, H38 INCHES L81CM, W51CM, H96CM. LENGTH: 400 FT (120 M)
		CURRENT (MAX)	40 MA
ELECTRICAL ARRAY	FOCUSED TRI-ELECTRODE ARRAY		
DEFECT FLOW CALCULATION	±30% ACCURACY MEASURED IN GALLONS PER MINUTE (GPM) OR LITERS PER SECOND (LPS)		
DEFECT LOCATION	±0.4 INCHES (1CM)		
WEIGHT	PROBE: 2.95 LB (1.34KG)   TOTAL WEIGHT 80LBS (36KG)		

