

FELL 41/21 Electro Scan™

TECHNICAL DATA



FELL 41



FELL 21

Electro Scan FELL 41 or FELL 21 are instruments designed to accurately locate leaks in non-metallic sanitary sewer pipes. Using a simple focused electrode and powerful analytical software, pipe defects are easily located, thereby reducing I/I issues economically and quickly. The Electro Scan FELL 41 primarily locates defects in mains while the FELL 21 locates defects in laterals or service connections.

FELL 41

Output Frequency:	982Hz 40mA at 10Vrms
Operational Temperature:	25° to + 120° F (-4° to + 49° C)
Power Supply:	500mA at 12VDC
Dimensions:	34 in x 26 in x 23 in (83.4 cm x 66 cm x 58.4 cm)
Weight:	136 lbs (61.2 kg)

FELL 21

Output Frequency:	982Hz 40mA at 10Vrms	
Operational Temperature:	25° to + 120° F (-4° to + 49° C)	
Power Supply:	500mA at 12VDC	
Dimensions:	Sonde Reel 24" x 30" (61 cm x 76.2 cm)	Instrument case 21"L x 18"W x 9"H 53.3 cm x 45.7 cm x 2.9cm
Weight:	Sonde Reel 20 lbs (9.1kg)	Instrument case 30 lbs (13.6 kg)

FEATURES

FELL 41

- Detects all types of potential leaks including joints, cracks and service connections
- Locates leaks within inches
- Tests 3 to 60 inch diameter, reinforced concrete, clay, brick and plastic lined steel
- No pipe preparation or disruption of sewer operation
- Straightforward operation and interpretation
- Periodic monitoring for changing pipe conditions
- Immediate results

FELL 21

- Real-Time analysis for fast decisions
- Electro-Scan technology finds all the defects – required for effective rehab
- Up or down stream testing from clean-out for complete pipe coverage
- 30 ft/min. measurement rate offers high productivity
- Trace saved to memory for future analysis or archive
- One-person operation is easily understood with little training
- Defect size, length and location are recorded and plotted real-time

STANDARD EQUIPMENT

FELL 41

Electric motor powered winch, electronic control module, 650' cable Junction box, connecting cables, Sonde (pipe diameters 6" – 20") Including cradle, Sliding pipe plug 8" (OR 6") diameter pipe (specify size with order), Earth/ground stake, Cable reel with 82 ft cable for ground stake operating manual and software

FELL 21

I/O Controller and Equipment Case, PDA and Enclosure, PDA Stand, Connecting Cables, Earth Stake, S20 Sonde, push rod and reel (200ft), Bluetooth communications for PC, Cable reel with 82 ft cable for ground stake software and operation manual

ACCESSORIES

FELL 41

Top manhole cable pulley with cleaner, Bottom manhole cable pulley, Haul line reel and cart with 1200ft rope (manual), Sonde/haul line retrieval rod, Ruggedized Notebook computer, Battery 12VDC 55Amp-Hr gel cell, Sliding pipe plug 6", 8", 10" and 12" diameter pipes, Electric motor powered haul line reel and cart with 1200ft rope, Accessories cart for away-from-vehicle operation

FELL 21

Pneumatic push rod and plug system(100ft), On-site Printer System, Water hose (3/4" x 200ft) and reel cart



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