

EXPLORER

Mobile Borehole Inspection System

See what you're missing.

A completely integrated, mobile system for well inspection at depths to 1200 feet (365 m).

The Explorer is easily set-up by one operator for quick evaluation of wells, increasing efficiency and reducing operating costs.

This compact unit, with its user-friendly interface, helps identify issues before they become more serious.

- » For 2- to 12-inch (50 to 365 mm) diameter boreholes
- » Dual view camera with 360° rotation for downhole and side-view video profiling
- » Automatic level-wind ensures faster, uniform camera retrieval
- » Manual focus and iris adjustment help obtain clear images in low lighting conditions



EFFICIENT

- » 1200 feet (365 m) coaxial cable
- » Integrated DVR records to USB flash drive, with snapshot photo capture
- » 12 VDC rechargeable battery, or 120 VAC/60 Hz, or 240 VAC/50 Hz
- » Rechargeable, wireless keyboard and integrated overlay for video titling

COMPACT

- » Compact cart with 16-inch (400 mm) wheels for easy maneuvering
- » Mobile design for operation in limited-access areas
- » 1.75 inch (45 mm) diameter camera
- » Weight: 150 lb (68 kg); camera only, 6 lb (2.7 kg)

DURABLE

- » Low maintenance
- » Rugged design with powder-coated steel cart
- » Stainless steel camera housing with scratch resistant lens
- » Kevlar reinforced single conductor cable with 1200 lb (600 kg) tensile strength

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Mobile Borehole Inspection System

See what you're missing.

Single-operator system efficiently maintains borehole integrity.



Compact, integrated system for great maneuverability



Wireless keyboard and integrated overlay for video titling



Quick disconnect plug for easy removal of control unit



Automatic level wind enables faster, uniform camera retrieval

Model EX1210 Specifications

The Explorer is an integrated system with all components mounted on a compact two-wheeled cart. The cart includes a winch, reel and cable; a rechargeable 12 VDC battery; a control unit with 8-inch (200 mm) LCD monitor, DVR recorder and wireless keyboard. The camera includes centralizers and a durable storage case.

Cart with Winch, Cable Reel and Boom Arm

Winch/Cable:	Electric winch drum with single-conductor Kevlar braided coaxial cable. Model EX1210, 1200 feet (365 m), with automatic level wind system
Cable Reel:	Variable-speed motor control, up to 40 feet-per-minute (12 m/minute); Chain driven with emergency rewind handle
Power:	12 VDC rechargeable battery, 3- to 5-hour continuous operation at full charge; or 120 VAC/60 Hz; or 240 VAC/50 Hz
Boom Arm:	Aluminum with foot support, adjustable for extension to 48 inches (1.2 m)
Wheels:	16-inch (400 mm); Removable
Weight:	Complete unit, approximately 150 lb (68 kg); Camera only, 6 lb (2.7 kg)

Control Unit and Monitor

Screen:	8-inch (200 mm) LCD; Sunlight readable
Recording:	NTSC or PAL format; Integrated DVR records to USB flash drive, with snapshot photo capture
Data:	On-screen date/time, depth counter (feet or meters); Fault annotation; Audio (microphone) overlay

Dual View Camera

Description:	Color module with dual CCD imager, low-light sensitive, 480 TVL lines resolution downhole camera, 86° wide angle view; Side View, 360° continuous scanning
Iris and Focus:	Iris Switch, Open/Close for both views; Focus Switch, Near/Far for both views
Lighting:	Forward viewing LED array with adjustable intensities (Low, Medium, High, Off)
Seal Rating:	1200 feet (400 m) submergence below water, 600 psi (41.4 bar)
Temperature:	Operating temperature up to 176° F (80° C)
Material:	300 Series stainless steel housing and centralizers; Scratch-resistant lens
Camera Dimensions:	1.75 inches (45 mm) diameter; 23.5 inches (60 cm) length

Specifications subject to change.

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