

EXPLORER

Portable Borehole Inspection System

See what you're missing.

The most portable and affordable inspection system for depths to 1200 feet (366 m)

The Explorer is a single operator system for efficiently inspecting and evaluating water wells and other boreholes.

This compact unit is easily set-up and operated to help you detect integrity problems early, reducing costly, unnecessary repairs.

- For 2 to 16 inch (51 to 406 mm) diameter boreholes
- All system components are mounted on a compact cart for easy maneuvering.
- Manual Focus and Iris adjustment ensures clear images in difficult lighting conditions.



EFFICIENT

- » Quick setup and tear down
- » 600 feet or 1200 feet (183 or 366 m) coaxial cable
- » Downhole and side-view camera
- » 12 VDC rechargeable battery, or 120 VAC/60 Hz, or 240 VAC/50 Hz

COMPACT

- » Compact design allows operation in limited-access areas
- » Portable system, or can be fixed-mounted in a service vehicle
- » 1.75 inch (45 mm) diameter camera for bores from 2- to 16-inch (51 to 406 mm) diameter
- » Weight: camera, 8 lb (3.6 kg); complete unit, 150 lb (68 kg)

DURABLE

- » Low maintenance
- » Rugged design with powder-coated steel cart
- » Stainless steel camera housing with scratch resistant lens
- » Aries one-year warranty

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See what you're missing.

Single-operator system efficiently maintains borehole integrity.



Compact for one-person set-up and operation



Easy-to-use controls, with adjustable Focus and Iris



Integral control with swivel and adjustable height



Wireless, rechargeable keyboard for video titling

Model EX600 and EX1200 Specifications

Cart with Winch and Boom Arm

- Winch: Electric winch drum with single-conductor Kevlar braided coaxial cable
- Cable Length: Model EX600, 600 feet (183 m); Model EX1200, 1200 feet (366 m), with automatic level wind system
- Cable Reel: Variable-speed motor control, up to 40 feet-per-minute (12.2 m/minute); Chain driven with emergency rewind handle
- Power: 12 VDC battery, 3- to 5-hour continuous operation at full charge; or 120 VAC/60 Hz; or 240 VAC/50 Hz
- Boom Arm: Aluminum with dual foot supports, adjustable for extension to 48 inches (1219 mm)
- Wheels: 16-inch (406 mm); Removeable
- Unit Weight: 150 lb (68 kg)

Control Unit and Monitor

- Screen: 8-inch (203 mm) LCD; Sunlight readable
- Recording: NTSC or PAL format; Integrated DVR records to USB flash drive;
- Data: On-screen date/time, depth counter (units in feet or meters); fault annotation

Dual View Camera

- Description: Color module with dual CCD imager, low-light sensitive, 480TVL lines resolution. Downhole camera, 86° wide angle view; Side View, 360° continuous scanning
- Iris/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); Optional LED light pod for inspections in boreholes larger than 16-inch diameter
- Seal Rating: 1200 feet (366 m) submergence below water (600 psi)
- Temperature: Operating temperature up to 176° F (80° C)
- Material: 300 Series stainless steel housing and centralizers; Scratch-resistant lens
- Dimensions: 1.75 inches (45 mm) diameter; 23.5 inches (597 mm) length
- Weight: 8 lb (3.6 kg)

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