



Advanced Test Equipment Corp.
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TROGLOTREK

Truly portable, battery-operated pipe crawler system

- ▶ The complete system is fully waterproof
- ▶ Reversing camera as standard
- ▶ Robust - crawler machined from solid brass and SS
- ▶ Optional WiFi connectivity for immediate reporting to customer
- ▶ Suitable for pipe sizes 4" to 12" and above
- ▶ Inclinometer and auto-steering to avoid turn-over
- ▶ The complete system weighs only 57lb (26Kg)
- ▶ Locking Quick-Release wheel sets



Troglotrek battery-powered crawler system is available in the following configurations: Entry-level forward-view system with 4 inch and 6-inch wheel sets and a Standard system with 4, 6 and 8-inch wheel sets and Pan & Tilt Camera.

Both system configurations are supplied with the 984 ft (300m) cable on a drum with an auto-layering device, and a display unit with SD-card DVR, keyboard, and power cell.



Camera Specifications

Construction:	300 series stainless steel
Image Sensor:	Digital Clarity CMOS ¼"
Resolution:	540 TVL lines
Sensitivity:	0.1 lux
Illumination:	Custom LED - Equivalent to 40W Halogen
Focal Distance (Focus Range):	20mm - ∞
Field of View	57 degree
Rotation:	Endless Panning/Tilting (285° useable)
Lighting:	Front: 1200 lumens (2 x high power LED (T812)), Rear: 1200 lumens (2 x high power LED)
Manual / Auto	Yes
Focus:	
Laser Measurement:	No

Image Sensor Protection: Scratch Proof Sapphire Crystal Lens

Waterproof: IP68, 11 Bar (160psi)

Rear view camera: Digital Clarity™ CMOS ¼", Horizontal Resolution 540 TVL lines, Focus: Fixed 100mm to ∞



Crawler Specification

Body Construction:	300 series stainless steel and Brass CZ121
Battery mission time:	> 4 hrs (cameras/lights) 2 to 3 hrs operating time:
Drive:	Four-wheel drive. Steerable
Linear speed:	0.5m/s (150mm configuration)
Linear pull:	10kg (100mm configuration)
Connectors:	Custom spring loaded with pressure valves
Dimensions:	Length: 310mm with T812 Camera, Width over small wheels: 82mm, Height: 71mm
Wheels	4" wheel set 6" wheel set 8" wheel set optional for Entry Level Set
Built-in Sensors:	Inclinometer (to measure angles of slope) Internal Pressure monitor
Waterproof:	IP 68
Weight:	5.7kg to 15kg (configuration dependent)

33Hz Transmitter (Sonde):

Yes, Built-in. Detection depth 3m – 5m depending on material



Control Unit Specifications

Construction:	IP67 Waterproof machined housing
Monitor:	5.6" LCD
Navigation and Control:	Integrated keyboard
Memory:	Digital recording to SD Card (MPEG4/JPEG)
Software:	WinCan compatible
Footage (Meter) Counter:	Yes



Cable and Drum Specifications

Tether:	Lightweight 2 Core twisted pair, Vectran strength member, Kevlar reinforced
Wet Cable End:	Stainless Steel
Cable Diameter:	4.0mm
Tether Strength:	Minimum breaking strength 2.5kN calculated weight 19kg/km
Working Length:	300m (984ft)
Reel Construction:	Tubular steel frame, solid aluminum housings
Built-in meter-counter:	For distance measurement display

Temperature: -20°C to +85°C (Storage), 0°C to +50°C (Operating)