



VersaTrax Inuktun Crawler

Technical Specifications



GLOBAL

VERSATRAX INUKTUN CRAWLER OVERVIEW

For small pipeline inspection purposes, Global operates the unique and versatile VersaTrax, tracked Remotely Operated Vehicle. With a variety of applications, its primary use is in the inspection of dry or flooded (to 44.5 psi) pipelines from 6 - 36 inches (15 - 91 cm) in diameter. The VersaTrax uses flexible connecting hardware that allows the tracks and camera to be mounted in-line for operations in smaller diameter pipes. Operation in larger pipes (10 inches or 25 cm and wider) is accomplished by the more conventional parallel or "side-by-side" track assembly which enables steering and stability by angling the tracks.

A 1000-ft (304 m) umbilical makes long penetrations possible with real-time color video monitoring, variable intensity lighting, manipulator, and steering/speed control functions. Video output can be annotated with on-screen and audio information and recorded in standard VHS or SVHS format.

SPECIFICATIONS

GENERAL	PARALLEL OPERATION	
	<ul style="list-style-type: none"> Weight: 83 lb 37.6 kg Width (Minimum): 13.5 in 34.3 cm Width (Maximum): 17 in 43 cm Length: 25 in 63.5 cm Height: 11.5 in 29.2 cm Maximum Operating Pressure: 133 psi 9.2 bar 	
	IN-LINE OPERATION	
	<ul style="list-style-type: none"> Weight: 80 lb 36.3 kg Width: 4.75 in 12.1 cm Length: 5 ft 1.5 m Height (Minimum): 4.5 in 11.4 cm Maximum Operating Pressure: 133 psi 9.2 bar 	
PERFORMANCE	Maneuverability <ul style="list-style-type: none"> Forward Speed: 30 ft/min 15.2 cm/sec 	
VIDEO CAMERA	High Resolution CCD color video camera	
LIGHTS	One 50 watt, tungsten-halogen lamp	
POWER REQUIREMENTS	<ul style="list-style-type: none"> Input Voltage (selectable): 90 – 250 VAC Frequency: 50 / 60 HZ Power Rating (standard): 6 KVA 	
USER POWER AVAILABILITY	<ul style="list-style-type: none"> 50 W 24 VDC @ 2A 80 VDC @ 0.6 a 	
UMBILICAL	<ul style="list-style-type: none"> Length: 1,000 ft 304 meters Diameter: 0.5 in 1.3 cm Polyurethane jacket / multi-conductor 	
INSTRUMENTATION	<ul style="list-style-type: none"> Real-time video monitoring On-screen video overlay Up to four lines of video annotation 	<ul style="list-style-type: none"> Audio annotation VHS or SVHS video recording
OPTIONS	<ul style="list-style-type: none"> Manipulators Still cameras 500 ft (150 m) umbilical 	<ul style="list-style-type: none"> Pan/tilt and/or zoom video camera 100 W lighting Distance counter
OTHER	<ul style="list-style-type: none"> Vehicle and umbilical can be cleaned and disinfected for potable water lines 	<ul style="list-style-type: none"> Vehicle and umbilical are generally unaffected by chemical and biological contamination