

HPX Wall Crawler (High-Performance X-Type)

The Most Capable and Rugged Magnetic Crawler Available!

- Absolutely the fastest method for inspecting remote access areas
- Safer alternative for tank wall and roof inspection
- Turn-key system includes everything needed for ultrasonic tank corrosion inspection
- Large suspension travel; the best crawler available for difficult obstructions and surfaces
- Single and Dual element transducers for variable conditions; proprietary shoe design
- Highly maneuverable
- Sealed positional encoder for B-scan acquisition
- Parts machined from billet 6061 Aluminum and 303 stainless steel
- Strategic weight reduction cavities
- Tough hard coat anodizing
- Highest power density rare earth motors available
- Proprietary direct drive gear set design; no chains, belts, set screws, or clamps to allow slippage
- Completely sealed unit
- Improved spring detent suspension
- Increased power, torque, and adhesion



Technical Specifications

- Scanner size: 10" W x 10.5"L x 5"H (254 mm x 267 mm x 127 mm)
- Scanner weight: 12.5 lb. (5.7kg)
- Driver size: 10" W x 12.5" D x 4" H excluding handle (254mm x 317mm x 102mm)
- Cable length: 100 ft (30.5 M)
- Cable weight: 9 lb. (4 kg)
- Scanner speed: 30 ft/min (6"/sec or 9.1 M/min)
- Magnetic pull: 150 lbs on 0.25 steel plate; 12:1 pull / weight ratio for scanner; 7:1 pull / weight ratio for scanner & entire cable
- Tractive pull: 72 lbs on 0.25 steel plate; 5.75:1 tractive pull / weight ratio
- Wheel base: 5"
- Obstacle clearance: Will crawl over a 1.25" obstacle with incline of < 45°
- Suspension conformity: All wheels contact with 2" elevation of one wheel
- Joystick control: Remote control, 50' cable
- Water system: AC Only (See WS2) or AC/DC Battery (See WS3)
- 14 gal cubical water reservoir included
- Power Requirements: AC Controller – 110VAC @ 1.35A (150W) (220VAC compatible); DC Controller - See Battery Option
- Scanner Operating Voltages: +/- 12VDC drive, 5VDC encoder
- Standard Accessories: Optical Encoder w/ line driver interface
- Single or Dual element irrigated transducer fixture assembly