

ZY-4C X RAY PIPELINE CRAWLER FOR DIAMETER 8.6"-14"



Suitable for 8.6-14 inch pipe diameter.

Powered by high efficiency rechargeable sealed lead acid batteries.

Detect internal defects and flaws through radiography technology.

Move inside the pipe with speed up to 18m/min, distance up to 5 km.

Features of ZY-4C x-ray pipeline crawler

1. Utilizing electronic speed control technology to achieve the slow starting and low-speed positioning and generate more accurate positioning. Magnetic position system tell the crawler's position and status through the beep sound.
2. performing normally without affected by the electric welding machine.
3. X ray system uses constant voltage control function to ensure the density of the X-ray film is consistent, not impacted by the battery and also has the ability to save energy and protect motor from over current.
4. Lead acid battery from Panasonic, it has 30% more energy compare with the lithium battery. Lead acid battery has feature resist higher temperature, so it has more possibility to prevent an explosion in overheating condition.
5. Multiple real-time function to protect the X-ray generator like waterproof, over-voltage, zero voltage protection, over-current, zero current protection, overheating protection, and shockproof on antenna or x-generator falling off.
6. Inspect the energy of battery automatically. The crawler will turn back in low power or no signal in 30 minutes.
7. Electronic speed control motor function to achieve constant torque, constant current operation can extend the using life of the equipment.

8. All electronic components are military (except PLC) supplies.

Model	ZY-4C	
Locating System	Magnetic Medium / Micro-wave video control	
Available Diameter	8.6"~14"	
Controller Dimension	198×102×150 mm	
Crawler Dimension	1490×170×150 mm	
Crawler Weight	30 kg	
Lead acid battery	7Ah	
Battery Weight	28 kg	
Turning Radius	≥10D	
Speed	18 m/min	
Positioning Precision	±3 mm	
Max Climbing Slope	30°	
Operate Temperature	-20℃~+75℃	
Available Humidity	≤90%	
Drive Mode	Two Wheels Driven	
Moving Distance	5 km (Round Trip)	
X Ray Generator		
Model	XXHA-1005	XXHA-1605
Max Penetration A3 steel	8 mm	15 mm
Generator Dimension	170×870 mm	195×800 mm
Generator Weight	13.5 kg	15 kg
Exposure voltage	120-160 KV	
Radiation Angle	360° × 40°	

