

POD 050 A version 2.0

AIR DUCT INSPECTION ROBOT



DESCRIPTION

INSPECTION ROBOT FIT FOR 200 MM DIAMETER DUCTS AND CONDUITS

The ARTHRON POD 050 A is the perfect companion to any HVAC inspection, audit or duct cleaning control.

Maximizing the speed and autonomy of inspections, this robot can be battery or cable operated and controlled using an independent control unit, eliminating the requirements for and the risks associated with electricity sockets and bringing a separate computer to the work area.

High quality instant photos and videos can be instantly recorded on SD card. These media can subsequently be added to reports, enhancing clarity and quality of service for the client.

To ensure that the job can be completed, a variety of tyres are offered which allow you to adapt the robot to the surface and conditions required. Two driving speeds are available helping the robot to overcome small obstacles and inclines within the ducting.

A secure cable connection means that the robot can safely descend and inspect vertical units.

To improve the accuracy of reporting, audio as well as text commentary can be added to the real time video transmissions. This feature is indispensable when there is a time lapse between inspection and reporting or when the work is carried out by different people.

*Due to our continuous research and development, technical specifications, the design and/or appearance of products may change.



Still image taken from front camera in a 300mm diameter round duct.



Still image taken from rear camera video in a rectangular duct

MAIN FEATURES

- Ideal for diameters as small as 200 mm
- Horizontal and vertical inspection possible
- No need for the mains supply – can function completely on battery power
- Independent and portable control unit with 9" colour screen
- Front and back colour cameras
- Adjustable LED lighting
- Boost mode to overcome obstacles and inclines
- Selection of tyres available for driving over a variety of surfaces
- Quick and easy wheel-change system – no tools required
- Instant photos and videos can be taken separately
- SD memory card recording and instant playback
- Audio and text commentary can be added during recording
- 20 m cable
- 24 month manufacturer warranty



The robot comes in a watertight transport case

Contact us

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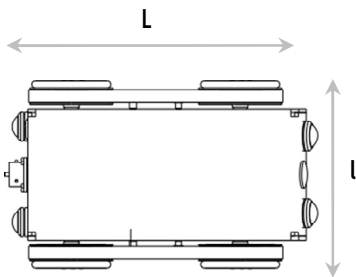
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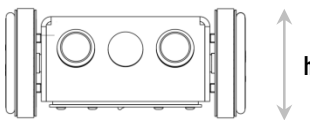
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Camera inclination of 10° centralizes the view, maximizing the success of the inspection



Top view of robot



Front view of robot



A solid connection improves cable lifespan and enables vertical inspection

TECHNICAL SPECIFICATIONS

▶ OPERATIONAL FEATURES				
Minimum duct diameter [mm]	200			
Cable length [m]	20			
Ingress protection (IP)	54			
Battery life	1h30			
▶ VISUALISATION				
Number of cameras	2 (1 front et 1 rear)			
Lighting	LEDs (2 front et 2 rear)			
Screen	LCD-TFT 9 inches			
Recording resolution (maximum)	Front : 704 (H) x 576 (V) Rear : 704 (H) x 480 (V)			
Recording media	SD / SDHC (up to 32 GB)			
Pictures file format	.JPEG			
Video file format	.ASF			
▶ SIZE & WEIGHT		Tracks	Wheels 80mm	Wheels 108mm
Robot size (L) x (l) x (h)	[mm]	234 x 152 x 69	234 x 161 x 80	234x180x108
Robot weight	[kg]	2.1 – 2.3		
Case size	[mm]	544 x 200 x 419		
Case weight (full)	[kg]	13		

OPTIONAL DEVICE



ARTHRON SPIN

Light-weight cable reel with rotating collector, facilitating the worksite management.

- Hook for the robot
- Hang for Control Unit
- 40m of cable capability



ON-SCREEN DISPLAY

Add text commentary to your videos with this USB Keyboard to ease the organization of your documents and report writing.

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