

POD 050 A

AIR DUCT INSPECTION ROBOT



DESCRIPTION

INSPECTION ROBOT FIT FOR 200MM DIAMETER DUCTS AND CONDUITS

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

Maximizing the autonomy of inspections, this robot can be battery or cable operated and controlled using an independent control unit, eliminating the requirement to carry a separate computer as well as the associated risks.

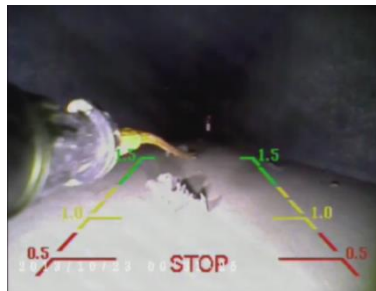
High quality instant photos can be taken whilst the video is recording, preventing the need to interrupt the video file during inspection. These photos can subsequently be added to reports, enhancing clarity and quality of service for the client.

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, 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 400x300mm rectangular duct

MAIN FEATURES

- Ideal for diameters as small as 200 mm (with tracks and 80mm wheels only)
- Front and back colour cameras
- Adjustable LED lighting
- 30 m cable
- Instant photos and videos can be taken separately or simultaneously
- SD memory card recording and instant playback
- Audio commentary can be added during recording
- Portable control unit with 9" colour screen
- Quick wheel change
- 24 month manufacturer warranty



The robot comes in a watertight transport case

Contact us

M-Tecks ROBOTICS sas, Impasse du Roc, 19600 SAINT PANTALÉON DE LARCHE, FRANCE
Tél. : +33-(0)5-55-24-22-86 | Fax. : +33-(0)5-55-24-21-59 | Mail : contact@M-TecksROBOTICS.com

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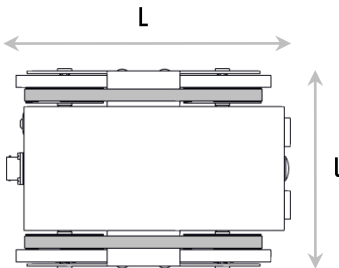
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INSPECTION ROBOTICS AND EQUIPMENT

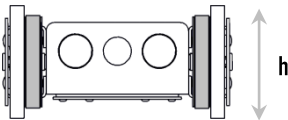
AIR DUCT INSPECTION ROBOT



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

TECHNICAL SPECIFICATIONS

▶ OPERATIONAL FEATURES					
Minimum duct diameter [mm]	200				
Cable length [m]	30				
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	Front : 640 (H) x 576 (V) Rear : 640 (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 96mm	Wheels 108mm
Robot size (L) x (l) x (h)	[mm]	234 x 152 x 69	234 x 161 x 80	234x180x96	234x180x108
Robot weight	[kg]	2.1 – 2.3			
Case size	[mm]	544 x 200 x 419			
Case weight	[kg]	13			

OPTIONAL DEVICE



ARTHON SPIN

Cable drum with rotating collector
Hook for the robot
Hang for Control Unit
30m of cable capability

ON-SCREEN DISPLAY

Integrated video commentary
Supplied with a flexible and waterproof USB
Keyboard

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