

POD 050 S

“SATISFYINGLY SIMPLE”

AIR DUCT INSPECTION ROBOT

From zero to a robot!

Build your own personalized inspection robot.

DESCRIPTION

INSPECTION ROBOT FIT FOR 200 MM DIAMETER DUCTS AND CONDUITS

The ARTHRON POD 050 range (A, B and S) is the perfect companion to any HVAC inspection, audit or duct cleaning or canalization control.

This “S” version is specifically designed to be the most basic of the entire range in terms of built-in features, offering you a quality inspection at the lowest price.

Maximizing autonomy

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.

1 camera or 2?

You have the choice of adding one or two cameras, front or back, to your robot, each with adjustable LED lighting.

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

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



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 colour camera, back camera optional
- Adjustable LED lighting
- Boost mode to overcome obstacles and inclines
- Driving mechanism : 4 cog-driven wheels
- Instant photos and videos can be taken separately
- SD memory card recording and instant playback
- Audio and text commentary can be added during recording
- From 15 to 20 m of cable
- 24 month manufacturer warranty

The robot comes in a watertight transport case

Contact us

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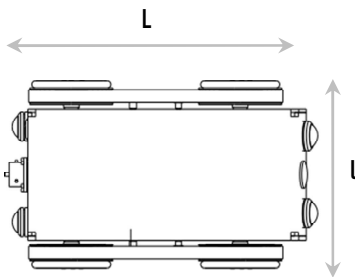
Find us online: <http://www.m-tecksrobotics.com/en/products-2/simple-inspection-robot/>

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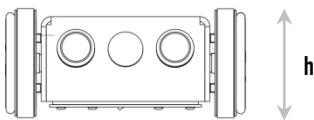
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Camera inclination of 10° centralizes the view, maximizing the success of the inspection



Top view of robot



Front view of robot

A solid connection improves cable lifespan and enables vertical inspection

TECHNICAL SPECIFICATIONS

▶ OPERATIONAL FEATURES		
Driving mechanism	4 cog-driven wheels	
Minimum duct diameter [mm]	200	
Cable length [m]	De 15 à 20	
Ingress protection (IP)	54	
Battery life	1h30	
▶ VISUALISATION		
Number of cameras	1 ou 2 (1 front et 1 rear optional)	
Lighting	LEDs (2 front et 2 rear optional)	
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		
Robot size (L) x (l) x (h)	[mm]	234 x 152 x 69
Robot weight	[kg]	2.7
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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