AC-CELL 100 - Crawler Inspection System

Developed as a stand alone Remote Visual Inspection (RVI) tool, this small, wet or dry environment crawler is fully compatible with the industry proven AC-ROV 100 Underwater Inspection system.

The complete AC-CELL 100 system comes in one rugged waterproof hand carry case with an all up weight of just 16kg. CE Marked and certified for all “feet wet” applications, offshore, inshore or onshore, it is the safest and quickest tool for your confined space inspection. Easily deployed in less than 3 minutes the AC-CELL is a single operator system in all aspects of its operation.

• Single Operator
• Hand Carry
• Rapid Deployment

The system is rated to a market leading 100m water depth with a 100mm “drive through” diameter and a 73mm “drive under”. The six wheel all drive crawler, can be configured with a range of wheel types and sizes to suit differing pipe diameters and terrains. Fitted with a low light front facing colour camera, an even more light sensitive rear view B&W camera and dual arc LED’s both ends as standard, the powerful and agile AC-CELL is ideal for inspecting seriously hard to reach spaces. These market leading attributes are delivered in an extremely robust and reliable low maintenance design which means the AC-CELL keeps coming back for more.

• 100m Depth Rating
• 100mm “Drive Through” diameter
• 73mm “Drive Under”
• Forward and Rear View Cameras

The system utilises the existing topside of the renowned AC-ROV 100 Underwater Inspection System.

The power, control, telemetry and monitoring elements are common to both vehicles allowing for EITHER / OR operation of the Crawler (AC-CELL) or the underwater vehicle (AC-ROV).

A combination first in the RVI tool market, the combined system provides a broad scope inspection capability in a unique, versatile and highly cost effective package.

• Compatible with AC-ROV 100 Topside
• No Modifications – Plug and Play Configuration
• Free Flying Or Driven Inspection Capability

Check its PEDIGREE – designed and manufactured in Aberdeen (Scotland) by born and bred diving and ROV engineers that routinely deliver solutions for water depths from 0 to more than 6000m. Check these people out at www.alloceans.co.uk

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# SPECIFICATION

**AC-CELL**
**SIZE**
199mm x 73mm x 89mm (7.8" x 2.9" x 3.5")

**WEIGHT**
1.65kg (3.6lbs)

**DEPTH RATING**
100m (328 feet)

**CAMERA**
Colour CCD 800 line x 0.1 lux (NTSC or PAL)
Rear View B&W Camera (480 line x 0.05 lux)
6 Wheels (AWD)

**DRIVE**
4 single diode LEDs (2 Front, 2 Rear, variable intensity)

**LIGHTS**
Single handed 3-D controller (LH or RH)

**CONTROL**
7" colour, integrated DVR, removable SD card, waterproof

**MONITOR**
Date, Time, Power Setting

**VIDEO OVERLAY**
Temperature, humidity and water ingress

**SENSORS**
Options to 120m with Tether Deployment System (TDS)

**TETHER**
300 watt

**SYSTEM POWER**
100/240, 50/60Hz auto ranging

**INPUTS**
Composite Video (single channel)

**OUTPUTS**
16kg (35lbs) complete in one hand carry roller case

**HANDLING**
Various wheel types and sizes

**OPTIONS**
Slip Ring Tether Deployment Systems
Tethers to 120m

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**NOTES**

1. The tether cable and connectors are completely field serviceable. Any damaged cable can be cut out and any remaining serviceable cable reterminated and used again. No need for cable moulding services.

2. Video recording device provisioned for but not included.