

PIPELINE INSPECTOR

Inspection, observation, search and survey within pipe works



Remotely operated underwater vehicle specially profiled for inspection and measurements inside pipes with ID 550 mm and more, over a maximum distance of 400 m.

- Colour TV camera with swivelling head and measurement lasers
- Backward B&W TV camera
- Profiling or navigation sonar

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TECHNICAL SPECIFICATIONS

WORK CAPABILITIES

Visual inspection, sonar inspection, measurement by laser.

DIMENSIONS / STRUCTURE

Length : 1.20 m

Breadth : 0.45 m

Depth : 0.45 m

Weight in air : 50 kg

Structure Open frame

Frame and fittings Polypropylene frame ;

Stainless steel fittings

OPERATING DEPTH

300m (max. distance coverage 400 m)

PROPULSION

3 x DC thrusters :

- 2 x horizontal (forward thrust 11 kg)

- 1 x vertical

SPEED

1.5 knots forward

BUOYANCY AND BALLAST

PVC foam buoyancy

PAYLOAD

1 kg

INSTRUMENTATION AND TOOLS

Underwater tools and manipulators: None

Cameras/video/lighting:

1 x colour zoom TV camera with internal pan and tilt unit ; 2 x lights

Instrumentation:

- pressure sensor

- profiling sonar (optional)

Navigation/tracking:

By means of distance counters, or Doppler sensor

SHIPBOARD SUPPORT

Deployment system:

Winch with neutrally buoyant & braided umbilical cable,

diameter 19.5 mm

Support ship requirements:

Computerised control system; area for surface unit, winch and vehicle

Vehicle power requirements: 230 VAC ; 3 kVA

Operating/maintenance: crew 1 (pilot/technician)