

# CORROSION DETECTION CAMPAIGNS ON STORAGE TANKS REQUIRE FAST AND HIGHLY RELIABLE EQUIPMENTS

When security of a military-grade crawler meets the comfort of an ultraportable ultrasonic device



After 2 years of collaborative R&D with leading inspection companies, **ROBOPLANET** has released an innovative fast and rugged tank shell crawler.

**ALTISCAN** makes inspections more secure, performant, and user focused.

## COMFORT OF USE

This crawler is a lightweight (7 kgs) and fast (15m/min) device, designed to hold safely to the surfaces even in hard weather conditions or on deteriorated surfaces.

Driving and measuring electronics are integrated, with power supply of 8 hours, in a compact 4 kgs case.

## RELIABILITY

Integrated on-purpose electronic offers number degrees of customization, such as high signal on noise ratio (until 1mm of coating), automatic gain control, automatic filters, etc.

## PERFORMANCE

DATASCAN is a easy to use software including measures position, real-time A-Scan & B-scan display and archive.

DATAREPORT is an automated report generator, offering operators possibility to easily modify measurements and regenerate B-scan from back from the field.

## MAINTENANCE

ALTISCAN is built on heavy duty materials and benefits a fast & collaborative maintenance service.





### INSPECTED SURFACE :

- Minimum surface diameter : 2m
- Max height : 30m
- Plate thickness : 3 - 50mm
- Max weld height : 10mm
- Max paint thickness : 0.5mm

### CARRIER :

- Lightweight : 7kgs
- Max speed : 25cm/s - 5m/min
- Strong magnetic hold
- Water resistant
- Rugged connectors

### ULTRASONIC MEASUREMENTS :

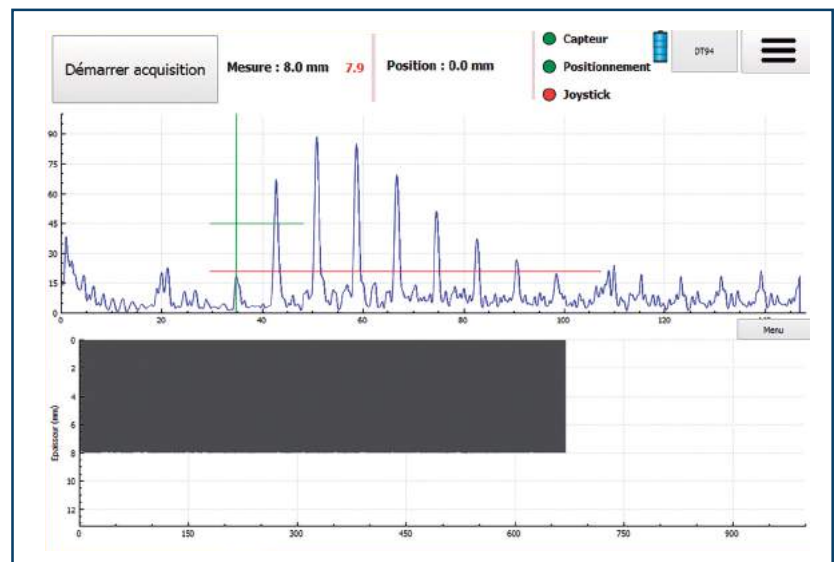
- Tension : 0V - 200V
- Adjustable gain : 0 - 60 dB
- Gain : 0 - 60 dB
- Sensors : 2 - 10 Mhz, single / double cristal
- Visualisation : Ascán, Bscan display
- Reporting : automated excel, A-scan & B-scan
- Post inspection data modification

### DRIVING ELECTRONICS :

- XY positioning
- 8 hour autonomy
- Advanced PID motors control
- Joystick operated

### ACCESSORIES :

- Rugged computer
- Water tank 20l with integrated pump
- 20m, 30m, 50m on purpose umbilical



**HARDWARE & SOFTWARE DEVELOPMENT, CERTIFICATION & MAINTENANCE MADE IN FRANCE.**