



ALTISCAN

Wall thickness measurement crawler



Military grade magnetic crawler



Single man operable



High signal-on-noise ratio



« Major technological breakthrough »
Bureau Véritas



« Innovation of the year »
Mesures



Best-selling magnetic robot in France since 2015





ROBOPLANET



ROBOPLANET manufactures high performance equipments for wall thickness measurements for Marine, Defense and Industry since 2000.

ALTISCAN is a magnetic crawler constantly upgraded in partnership with leading NDT companies.

ALTISCAN brings to field controllers :

- Safer interventions
- Enhanced reliability measures
- Increase of field performance



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 (rain, wind, sun) or deteriorated surfaces (grease & dust).

The driving and measuring electronics are integrated, with power supply of 8 hours, in a compact 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 an 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 back at the office.

APPLICATIONS

Storage tanks, spheres, ship hulls, columns, pipes,

...





Structures & plates

- Max height : 30m
- Metal : Carbon steel
- Wall temperature : 0°-70°C
- Plate thickness : 3 - 50mm
- Max weld height : 10mm
- Max paint thickness : 1mm
- Minimum surface diameter : 2m

CARRIER

- Dimensions : 35X35X20 cm (13.7'X13.7'X7.9')
- Weight : 7kgs
- Max speed : 20cm/s - 12m/min
- Magnetics : Rare earth patented combination
- Pull-up force : 100 Kgs
- Slipping force : 20Kgs
- Water resistant
- Rugged connectors
- Encoding precision : 0.1% FS

ULTRASONIC MEASUREMENTS

- Sensors type : Ultrasonic, dual Emission/Reception
- Standard precision : 0.1mm
- Max plate dimensions : 3 - 45 mm + coating
- Frequency/Diameter : 5Mhz/13mm
- Voltage : 0V - 200V
- Sampling frequency : 80Mhz
- Adjustable gain : 0 - 60 dB
- Visualization : A-scan, B-scan display
- Reporting : automated excel generation, A-scan & B-scan
- Post inspection data modification

UMBILICAL

- Length : 20m - 30m
- Connectors : Military/LEMO

WATER TANK

- Capacity : 20L
- Pumping : Batteries
- Flow : Adjustable +- 1L/min

BATTERY

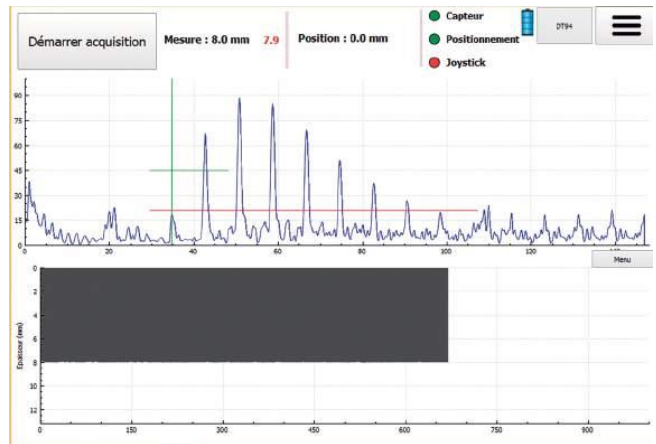
- Tension : 24V DC
- Type : Batteries
- Autonomy :8h
- Weight : 1.5Kg

SIGNAL PROCESSING

- Hardware : Toughbook Panasonic CF-31
- Gates : Adjustable
- Display : A-scan & B-scan, real time
- Date record : A-scan & B-scan
- Save format : .csv ; .jpg

OPERATING CONDITIONS

- Operating temperature : 1° - 40°C
- Wind : <10knts
- Rain : <0,5mm average/day



THEY TRUST ROBOPLANET

